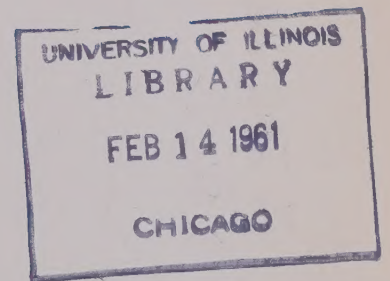




"View of Detroit in 1836" by American artist William James Bennett (1787-1844). Courtesy of The Detroit Institute of Arts

MONTHLY BULLETIN, MICHIGAN SOCIETY OF ARCHITECTS • OCT. 1960 • 50c



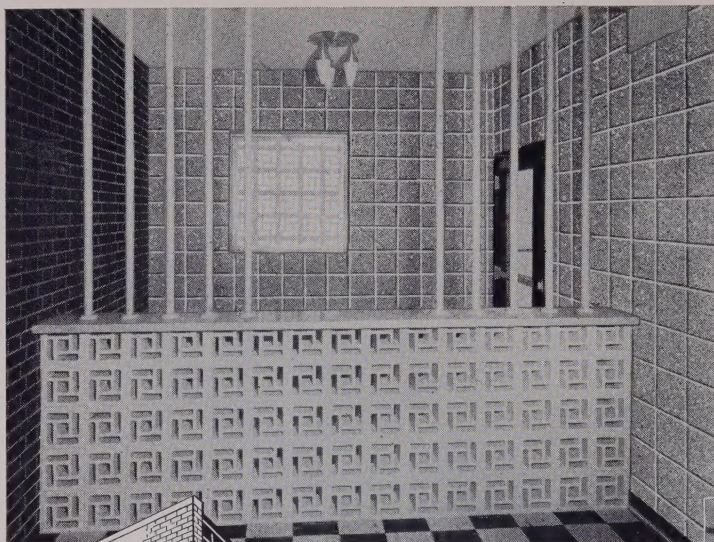
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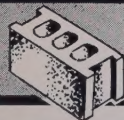
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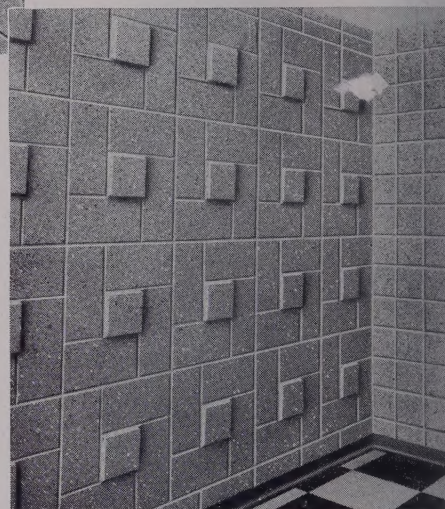
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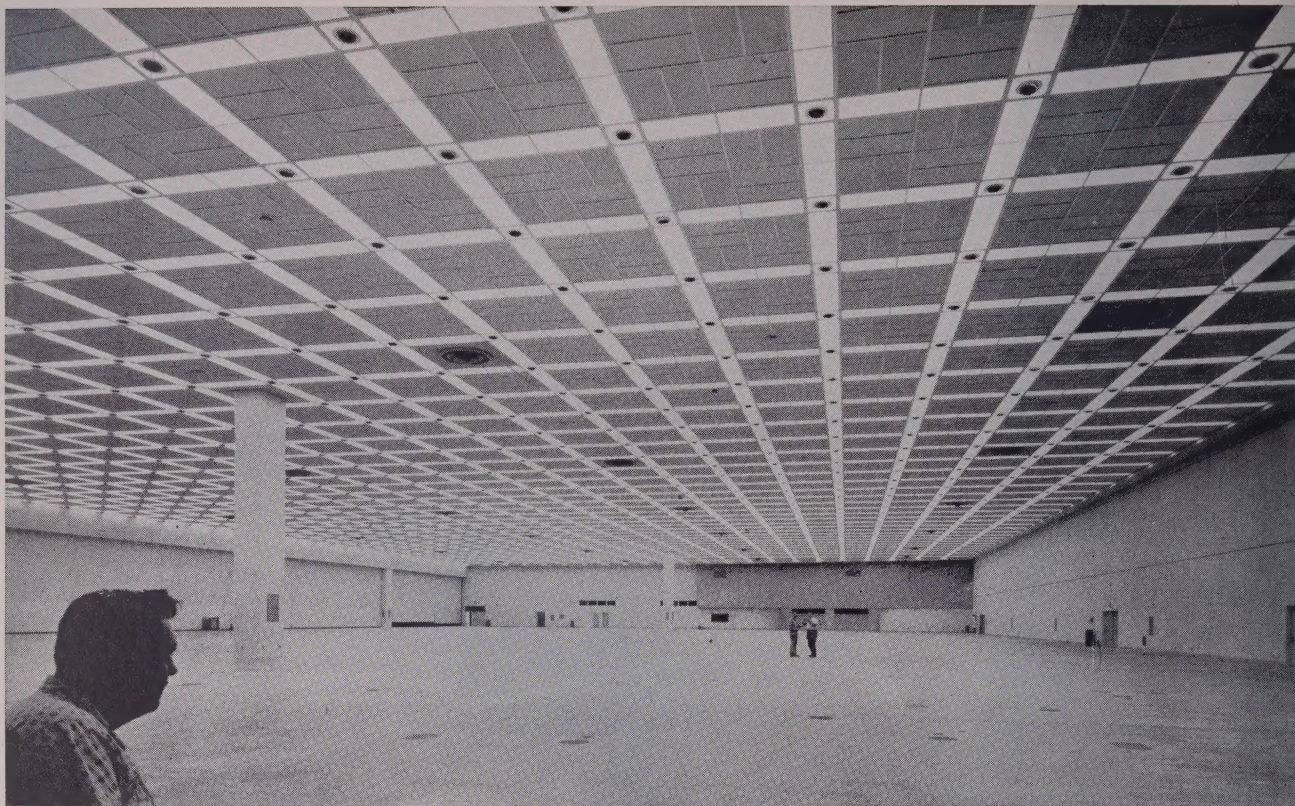


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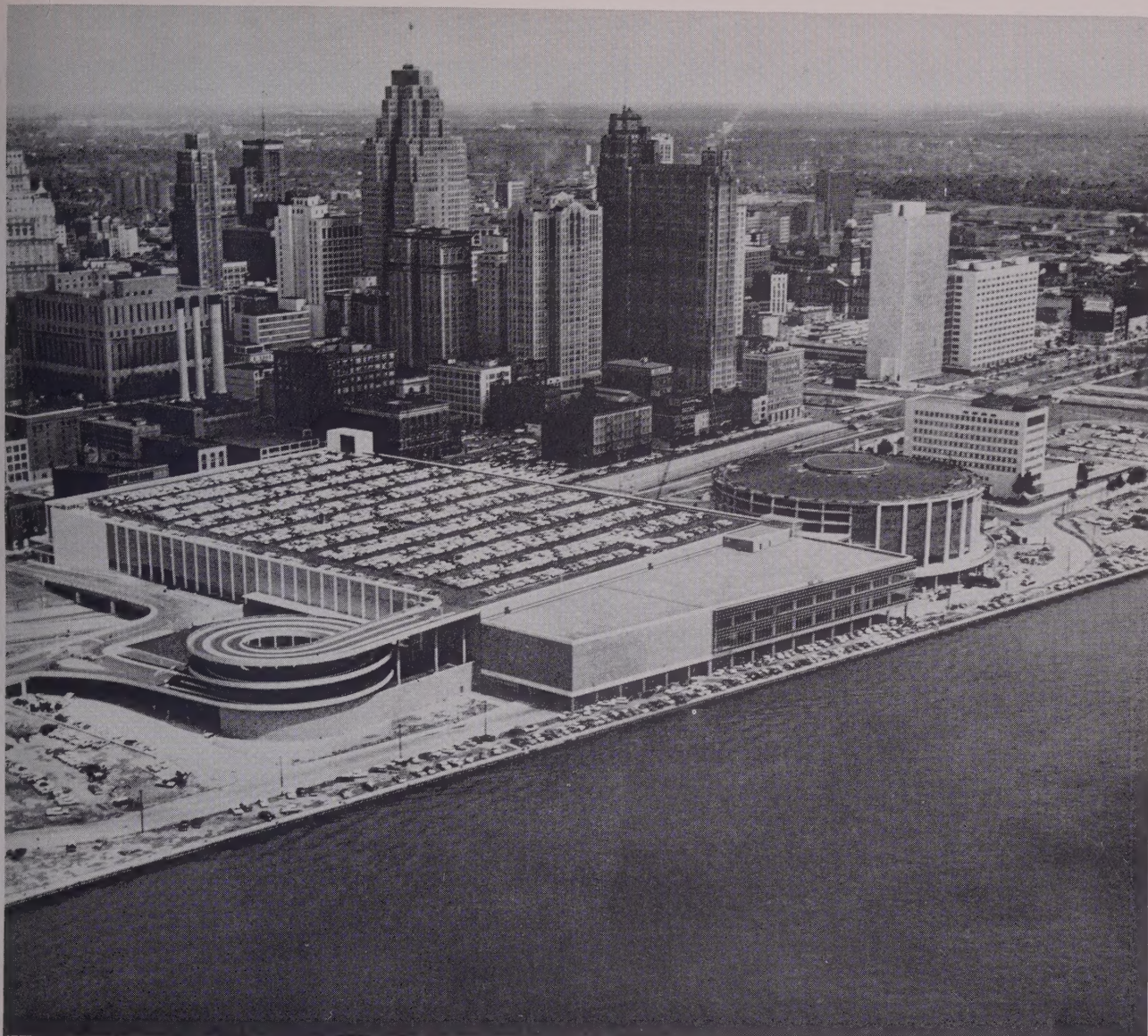
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LETTERS

BULLETIN:

It was suggested by a member of your chapter that you would be interested in a copy of our public swimming pool code which has recently been adopted by the Board of Health. A copy is enclosed for your information. We would like to discuss with you the best means of notifying the architects in the Detroit area of the existence of his code so that those interested can request copies.

This code is a major revision of "Regulations Governing Design and Construction of Swimming Pools in the City of Detroit," first adopted by the Board of Health in 1928, and "Regulations Governing Operation of Detroit Swimming Pools," first promulgated in January, 1925. Both documents along with their intervening amendments are now superceded.

The first working draft of the new code was assembled August 5, 1959 and submitted to the Board of Health for consideration. At the same time it was distributed to a number of health departments, architectural and engineering firms, and city agencies for comments. Many constructive criticisms were received, of which a considerable number were incorporated in the final form of the new Regulations or in the Appendix.

We are grateful to those who took the time to send us their comments. We hope that any errors discovered in this "final" draft will be sent to us to be incorporated into the inevitable "next revision."

Your attention is called to certain corrections and last-minute changes made by

the Board, as listed on page 34.—JOHN H. RUSKIN, Associate Sanitary Engineer, City of Detroit, Department of Health, Detroit 26, Michigan.

BULLETIN:

On a recent visit to an architect friend, I had the pleasure of seeing the AIA Monthly Bulletin of the Michigan Society of Architects, published about a year ago commemorating the Michigan work of Frank Lloyd Wright.

My hope is that copies are still available and I've enclosed \$1.50 to cover the cost of three copies, as per information included in that Bulletin.

My congratulations to the Michigan Society of Architects for this fine piece of publication.—LAURENCE RANDOLPH, Milwaukee, Wis.

BULLETIN:

Thank you for the copy of your Monthly Bulletin Michigan Society of Architects for September '60.

I would like to obtain about ten copies of the page 9, on which you have printed my two letters, so that I may enclose them in letters to old friends of my late wife. Do you have any extra copies that I can buy at the regular price of the magazine?

I like the spirit of your magazine and

to note that it continues that which I noted sixty years ago among "Michigananders": the spirit of pleasure in the work they were doing and of camaraderie among the old and young in the social sense of gatherings for mutual improvement of human relations among the diverse factors that compose the great and ever-expanding field of Building.—FRANCIS S. SWALES, 179 Valentine Lane, Yonkers 13, N. Y.

BULLETIN:

Because of you, yourself and what you have created, I am moved to fill in the lines on the reverse side of this paper (subscription blank) in accord with what they ask, but it would be useless.

You see, I am old, with no practice, and no ability to make use of a bulletin of any kind, no matter how valuable.

However, I am glad you have made a success of what you have undertaken. I believe . . . that architecture should have chiefly at heart "beauty that moves the soul." . . .

All I want to say is that I wish we could meet once in a while. I wish you continued success. With the kindest of good wishes, most sincerely yours.—JOHN V. VAN PELT, FAIA, Roe Boulevard West, Patchogue, N. Y.

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Monthly Bulletin, Michigan Society of Architects, Volume 34, No. 10

including National

Architect

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LIST OF COMMERCIAL STANDARDS revised to July 1, 1960 is now available, according to Commodity Standards Division, Office of Technical Services, Business and Defense Service Administration, U. S. Department of Commerce.

The new index lists all Commercial Standards under 22 classifications including Apparel and Apparel Sizing; Chemicals; Electrical and Mechanical Equipment; Hardware, Instruments and Tools; Heating, Ventilating and Refrigeration; Household and Hospital Supplies; Lumber and Wood Products; Millwork; Paper and Petroleum Products; Plastics; Plumbing Materials and Fixtures; Pipe and Fittings; Precious Metals; Rubber Products; Textiles; and Thermal Insulation Materials.

New standards in preparation, and existing standards being revised to reflect current industry practices are shown in a supplemental list.

Commercial Standards are voluntary standards, adopted by industry to establish nationally recognized quality requirements, including methods of testing, rating, or grading. They also provide a means for certifying and labeling products that comply. They are developed at the request of the industry concerned to form a common basis of understanding among producers, distributors, and users of the products, and to provide a basis for fair competition.

Also available is a pamphlet entitled "Commodity Standards, WHAT they are—HOW they are done—WHY they are used."

Single copies of the list and the pamphlet are available without charge upon request to the Commodity Standards Division, U. S. Department of Commerce, 438 Federal Bldg., Detroit 26. Ask for Catalog No. 978, and Commodity Standards Pamphlet.

BUILDING PRODUCTS REGISTER, recently published by The AIA, after a ten-year study, is a single reference work containing product analysis.

A descriptive brochure is available at the Detroit Chapter offices, as well as a copy of the Register for the inspection of those who may consider its purchase. The price is \$25.

AIA DOCUMENT-OF-THE-MONTH FOR JULY, 1960

How Much . . . Does An Architect Do?

How Much . . . Does An Architect Cost?

A clear, brief survey of the architect's services and the owner's responsibility.

This brochure develops four main topics in outline form. Section I deals with architectural services. It concisely states each step the architect takes, starting with the schematic design phase and concluding with the fulfillment of construction contracts. Recommended minimum fees are well explained in Section II. The responsibility of the client is defined next and the ethics set up by the AIA provide a fitting conclusion.

The format and content of this pamphlet make it one that many architects will want to have on hand, particularly when they are interviewing clients. Address of the Chapter is 422 Securities Building, Des Moines, Iowa.

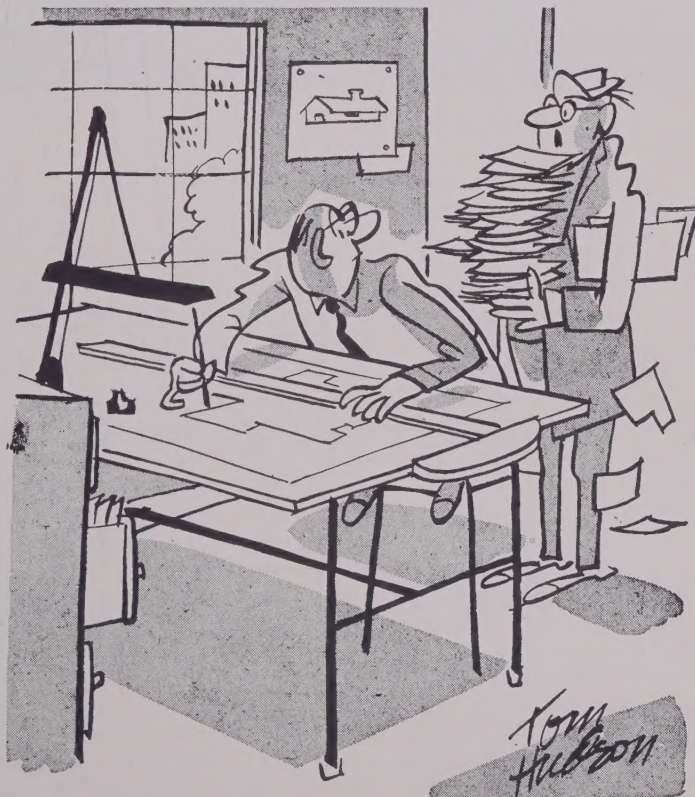
"CHALLENGE TO STATESMANSHIP" has been designated Document of the Month for August, 1960, it is announced by George F. Pierce, Chairman of The AIA Chapter Affairs Committee.

It is a reprint of an editorial that appeared in the Florida Architect. Roger W. Sherman, AIA, editor and publisher, was the author, with the help of Edward G. Grafton, AIA, Chairman of Florida Association of Architects Committee on Public Relations, and Clinton Gamble, past Director of The AIA, and Chairman of FAA's Special Committee on the development of proposed plans for the Arts and Architecture Building, University of Florida at Gainesville.

Says the announcement: "The college education crisis, as we all know, is not confined to Florida. However, we feel this professional presentation of The FAA may stimulate other architectural groups to act to alleviate the present crush and to plan for future development."

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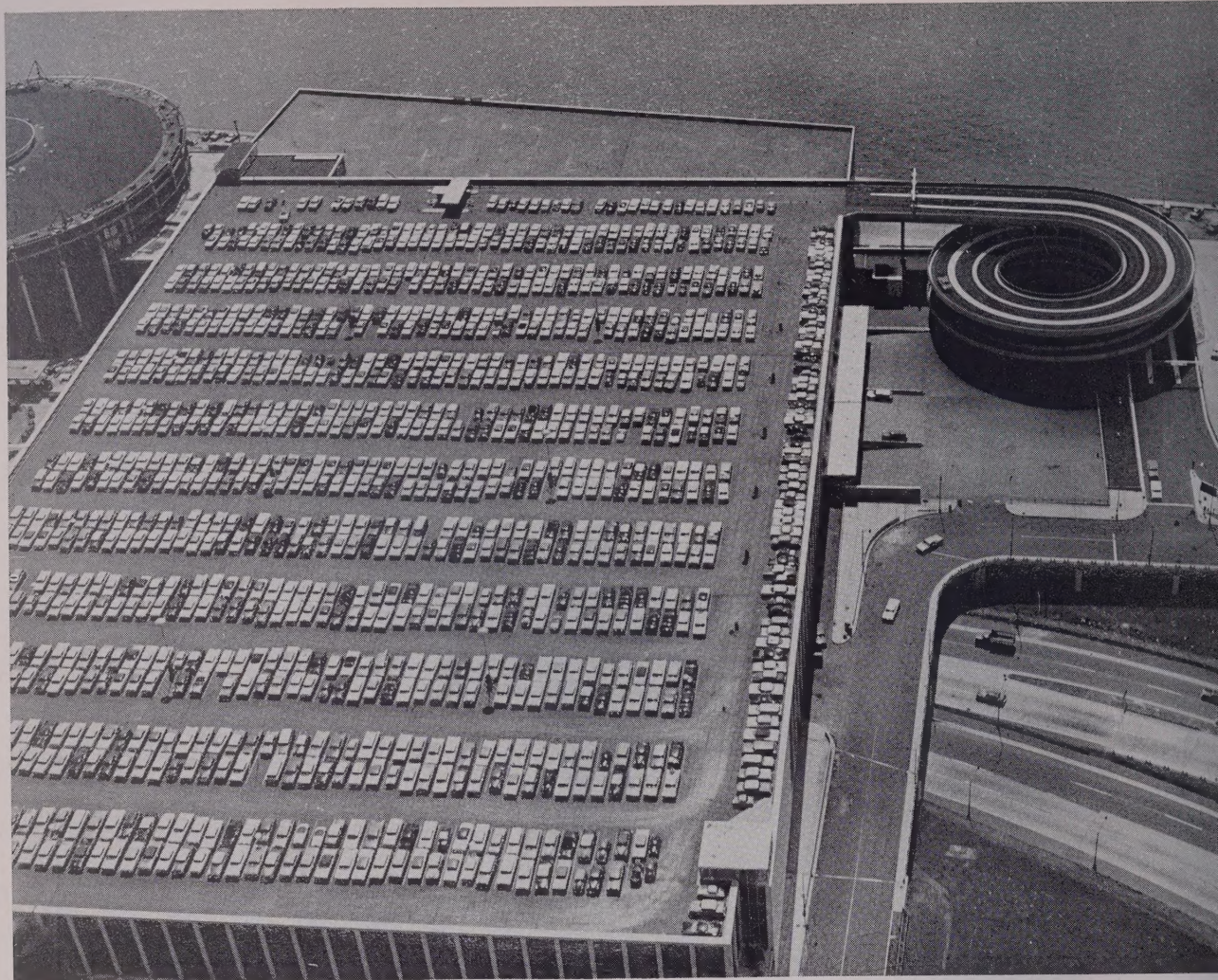
WHO INVITED HIM?



"Say, hope you're not too far along with my house plans—
I've clipped a few more ideas that I'd like to work in."

THE SATURDAY EVENING POST

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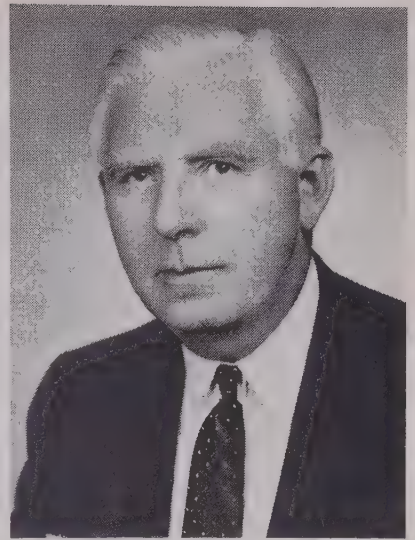
Bonding Practices

Excerpts from an Address by T. L. Sedwick, Vice President of Standard Accident Insurance Company, before the Annual Meeting of the National Association of Architectural Metal Manufacturers, Boca Raton, Fla., May 5, 1960.

by the general. You may have concern only for the payment of your account. To that end I commend your attention to the requirements imposed regarding time for filing and pursuing your claim. Many have quite elaborate provisions. Many of them too are quite strict. To that end I recommend a \$12.00 investment. It is "Credit Manual of Commercial Laws," published annually by National Association of Credit Management, and for those in the building business one of the best one-volume law libraries I know.

It is generally not the policy of sureties to ignore requirements imposed on creditors by the bond or governing statutes regarding notice of claim, time for filing, or nature of the claim. We must bear in mind that the material-man or sub-contractor formerly only had his lien rights. You all know how tough the statutory requirements are on perfecting a lien. Even if the preliminary hurdles of meeting all requirements for notice and filing are cleared, the security afforded is frequently very small. Bonds were first used on public work to fill the void of the lack of lien rights in public moneys or buildings. As bonding spread from public to private work, the scope of recovery broadened, and now, bond forms espoused by the surety industry are broader than most lien laws except as statutory bonds may be governed by a tough statute. Witness the development of A.I.A. 311, in which the sureties have cooperated—they have in no case resisted the simplified filing of a claim. Yet they feel no reluctance in declining a claim that fails to meet the requirements of the bond or the governing statute. Additionally, in some instances the surety has buttressed itself by indemnity of an interested party. A surety under these circumstances, ignoring defenses to a claim, becomes a volunteer and cannot look to its indemnity for recourse.

"Is credit extended with sole reliance on the security of the bond and without regard to the financial position of the contractor?" This is a question I believe you could answer better than I. However, as a general rule we are grateful that it is not. When one of our contractors collapses, we find many creditors who are holding the bag on unbonded work are holding the bag because they have voluntarily waived their right to perfect claims. I feel sure that the fact that the contractor is able to secure a bond is an influence in the extension of credit—but having seen so many cases involving creditors outside the scope of the bond, I can say that credit is not generally extended with sole reliance on the bond. Suppliers on bonded jobs have told us they wouldn't had



T. L. SEDWICK

there not been a bond. Also there are many who have been selling a contractor for years and, while happy that bond is in the picture, nevertheless are satisfied with the contractor as a credit risk. Some go even further than that. It is not unusual for an important materialman or a sub to agree to defer collection of his account to bolster a contract case to a reluctant surety. On the other side a payment bond undoubtedly is an important influence in the extension of credit.

Your role as principal on a bond that you furnish to the owner or the general contractor brings different aspects into play. Here you are interested in surety practices in agreeing to supply the bond, or as we say in our trade language—underwriting your bond. As a preface to this we in the surety business are often asked a leading question. I've answered it before and with your indulgence I'll repeat here what I said on the most recent occasion. "Is the unqualified contractor being bonded and receiving credit?" We certainly don't go out looking for losses, but sometimes the enthusiasm of our sales forces leads them to acceptance of risks that they should not have entertained. In the highly competitive market of public bidding, it doesn't take much of a bump to turn a qualified contractor into an unqualified one. With unrealistic depreciation schedules enforced by Internal Revenue and up 52% of profits going to taxes, maintaining a good liquid position is no easy matter for a contractor. Our most serious losses have been on contractors who have been on our books ten or twenty years. A new risk—either newly entering the business or new to us—is usually looked over very carefully. Over-extension by an existing account is often very hard to control and over-extension is our greatest loss cause.

Present bonding practices were established in 1935 when the Miller Act supplanted the Heard Act. Under the Miller Act one bond covers the performance hazard to the owner and another bond to the owner for the benefit of creditors covering payment of bills. As you may already know, these are generally identified as Performance Bonds and Payment Bonds. The Miller Act became effective in 1935, and soon thereafter many states followed suit. This was such a successful development that a tide of sentiment arose to blanket the country with this principle. The New York Building Congress espoused this idea for private, state, and school construction. We in the surety industry secured the consent of the New York Building Congress to come up with something. An Industry Committee was set up and in 1945 it developed a dual performance and payment bond arrangement that met the acid test of the approval of national organizations representing contractors, creditors, and architects. This was incorporated in the American Institute of Architects' Handbook, then as A.I.A. Form 107. Court decisions on these forms have uniformly upheld the intention of the drafters.

The Surety Association of America, after ten years, made some revisions, most of which represented tender regard for the creditors. The revised and latest most current bonds, so pedigreed of birth currently appear in Handbook of Architectural Practice (8th Ed.) and have been designated A.I.A. Form No. 311.

First we'll examine the role of a sub-contractor relying on the bond furnished

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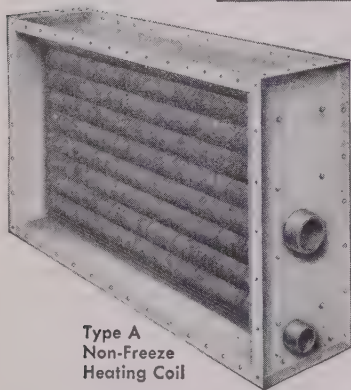
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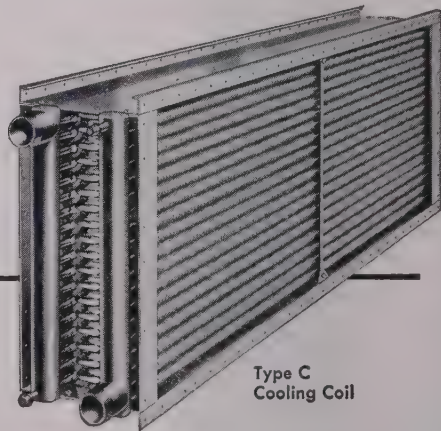
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A COUNTRY RECONSTRUCTS

*A survey of Finnish architecture,
by Prof. Hilding Ekelund,
Architect, Helsinki*

In recent decades, it seems, Finnish architecture has become an important factor in the international art of building. This is evidenced not only by the many notable successes gained in Scandinavian and international architectural competitions, and by the numbers of architects and other interested people who find their way to our distant country to study what has been built here. In many architectural publications Finnish architecture is accorded considerable space, and the articles reveal a generous appreciation of its consistent virile character and magnificently rectilinear nature. Even the most severe critic must admit that among the indifferent, schematic and superficial buildings of which there are many being built in Finland, there emerges with force and authority much that is of value—and not only the creations by Alvar Aalto, one of the peaks in international architecture of this century—which will perhaps prove permanent.

The Finnish architecture of today is of course no rootless phenomenon, but was preceded by a century-long development, which it is admitted cannot match that of the wealth of forms to be found in countries with an ancient civilization, but which in its rugged matter-of-factness and bold organic structure creates aesthetic values of imperishable beauty. We only need to think of our medieval castles—that at Turku, unique Olavinlinna near the town of Savonlinna—of our greystone and brick churches of the 14th centuries, such as Turku Cathedral and the churches of Hattula, Hollola, Sibbo, Lohja and many others, of the genuine and expressive wooden church architecture of more recent centuries and the manorial and peasant architecture of different periods.

Of course, this older architecture shows great kinship with contemporaneous phenomena in Sweden, but different geographical, social and economic conditions lend to it a special character, harsher and more ascetic; a certain influence from the east can hardly be denied.

Not until the end of the 18th century, in the final phases of the period of Swedish supremacy, could there be seen in Finland the results of the work of the theoretical training of architects, brought up in Sweden (the building of Abo/Turku Academy, some private houses in the



PROF. HILDING EKELUND, Architect


same town, etc.). But soon after the country had been severed from Sweden and had become an autonomous part of Tsarist Russia, a climax occurred in building, consequent upon the new aspect of affairs in the country: Helsinki succeeded Turku as the capital, and the small fishing community was built up in accordance with a new town plan conceived on a large scale in the spirit of the Neoclassicism prevalent at that time, and with columned public buildings, magnificent for the circumstances; the university and its library, the senate building, the Great Church, and so on. Together these buildings constitute a town centre which is still one of the most homogeneous and monumental to be found. The creator of these imperishable aesthetic values and of numerous churches and manor houses all over the country—and the most eminent architect in Finland in the first half of the 19th century—was C. L. Engel, of German birth but naturalized in Finland, an artist who, regarded from an international aspect also, is among the greatest of his era.

The latter half of the 19th century was characterised by this same imitation of diverse styles, a typical feature of architecture in other countries at that time: Gothic, classic or baroque motifs abounded on the facades with their rich but false designs. The central parts of Helsinki were largely given form during this period, coinciding as it did with the heyday of industrialism. We cannot deny that this period nevertheless brought about many outstanding buildings, where the superimposed eclectic

styles could not conceal an architectural solution which was constructively and functionally correct (the Guards Riding School, the House of the Nobility, the commercial buildings of Mercator, Lindqvist, and so on in Helsinki).

The reaction to this heterogeneous, "academic" eclecticism of style around the turn of the century is known to have assumed various forms in different countries. An attempt was often made to continue building on the basis of old national traditions, as in Denmark and also in Sweden (the Vasa Renaissance) but it was also easy to slip back into a new false imitation of style. Free from this was the Central European "Jugend" Style, which recognized that the new materials and construction methods needed an entirely new type of architecture, but which often brimmed over with bizarre and capricious decorative forms. Headed by some unusually prominent architects, the reaction in Finland became more drastic and original than in the neighbouring countries. "National romanticism," as suggested by the same, was a highly romantic style created on a national basis. Its characteristics were primitiveness and fundamental power, and a picturesque but massive construction was combined with rough material treatment—unhewn granite was mostly used for the facade—and with a self-created, rich ornamentation at times based upon old national patterns. This style is indeed worth studying, and among its most conspicuous works may be mentioned Tampere Cathedral and the Telephone Company building in Helsinki (Lars Sonck), as well as the Pohjola Insurance Company building and the National Museum in Helsinki (Gesellius, Lindgren and Saarinen). Finnish national romanticism in architecture derives added interest from the fact that it had its parallel phenomena in painting (above all, in the works of Gallen-Kallela, who also made a great contribution to the new direction of architecture) and in music (Sibelius, and others).

This period was short in duration, but left conspicuous traces in our towns. A return to greater severity and more refined treatment of material, horizontality and axiality soon followed, at the beginning with details showing personal characteristics: Helsinki Railway Station (Eliel Saarinen), the Mortgage Society House, the Stock Exchange building, and Kallio Church (Lars Sonck), the Suomi and Kaleva Insurance Company buildings (Armas Lindgren). Subsequently, after the First World War, the attachment to ideals of classical form became clearly discernible simultaneously with the restoration to places of honour of the old national traditions, the simplicity of

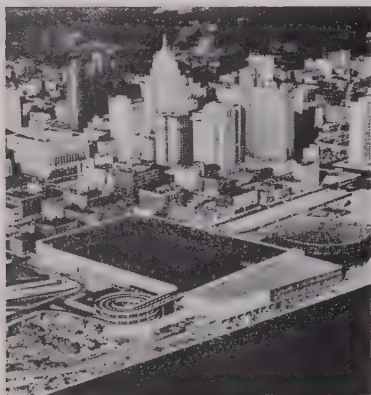


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Convention hall elevating has its own special problems. And for Detroit's vast new Cobo Hall, where it is said no foreseen convention is too large to handle, there were some special *special* problems.

Here's how they were solved by a specialized system of Haughton electronically controlled elevators.

Designers knew that before and after scheduled events, building traffic would mean a heavy demand for elevator service between parking areas (basement, first and roof floors) and second floor. At other times, comparatively light traffic could be expected between all floors.

Five Haughton automatic units were installed. Cars are big—six feet deep and eight feet wide. A bank of three serves basement, first, second and roof levels. Two cars serve first, second and third floors for lesser traffic needs. All units are motivated by an amazing "electronic brain" that anticipates service needs and dispatches cars at proper time and in proper sequence.

The complete reliability of Haughton vertical transportation is thoroughly recognized by building professionals and owners. We will be glad to provide you with complete information on Haughton design, modernization and maintenance capabilities.

**Haughton's advanced program in elevator systems research and engineering, with specific emphasis on the creative application of electronic devices and instrumentation for betterment of systems design and performance.*

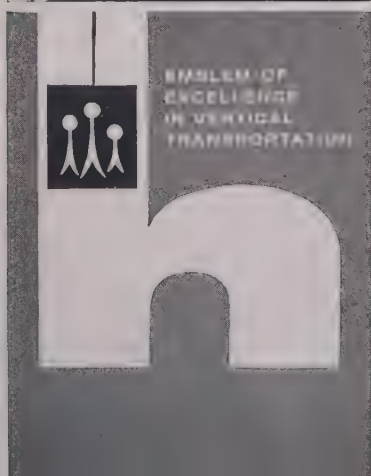
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vertical transportation for buildings of every type*

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form of our old manor houses, town planning and churches. At this point, development in Finland took a parallel course to that in Sweden (Westman, Ostberg, and the young Asplund). The culmination and termination of this classicism of the 1920's, which also otherwise produced a number of good results, especially in housing construction, consisted of the House of Parliament (J. S. Siren), a building created with a wealth of artistic force and ambition, with a monumental, classically inspired stability. The well planned and monumentally effective Stockmann Department Store (Sigurd Frosterus) is one of the buildings of this period that have best resisted the passing of the years.

The breakthrough of the new style of architecture, that of functionalism, occurred in Finland at approximately the same time as it did in Scandinavia generally. The Stockholm Exhibition of 1930 is usually taken to be the dawn of the new era.

On the European continent, signs of an architectural regeneration had been discernible for a long time; but the ground was not unprepared in Finland. The national romanticism had liberated planning and the grouping of masses from the axial and symmetrical strait-jacket of architectural style, and the subsequent classifying architecture, often built upon a national ascetic tradition, had striven for clarity and constructive order. It was very appropriate, when the ideas of functionalism were applied to feeling of social responsibility and a form originating in expediency, the new materials and methods of construction.

The most prominent names in the 1930's were, first and foremost Alvar Aalto and Erik Bryggman. The former is an expansive creator, rich in ideas, with an extraordinary talent for lending an expressive and brilliant artistic form to his ideas. Bryggman—who died recently—was tranquilly meditative artistic personality whose work radiated a confidential intimacy which can hardly fail to be understood at all. Aalto's

first important work of the 1930's, the Paimio Sanatorium, completed in 1932, continues to appear just as fresh and genuine as it did at the time of its creation. During the 1930's, the sanatorium was followed by several other buildings which contributed towards his being accepted as one of the world's leading architects: the famous Sunila factory with the adjacent residential area, near the town of Kotka, the exquisitely beautiful municipal library in Viipuri, since ceded to the Soviet Union, Villa Mairea in Noormarkku near Pori, Finnish stands for Paris and New York exhibitions, etc.

Erik Bryggman's personal and splendidly exclusive art found its expression in buildings such as the Athletics Institute at Vierumäki near Heinola, several buildings for Åbo Academy and its student nations in Turku, and above all in the impressive funeral chapel near Turku.

As for the remainder of the noteworthy works from the first bold decade of functionalism mention may be made of the Helsinki Stadium, an extraordinarily virile and logically composed athletic forum, especially in its earlier form (Lindgren and Jantti), the elegant Exhibition Hall, also in Helsinki (Hytönen and Luukkonen), the harbour warehouse on Katajanokka, Helsinki, with its powerful lines (Gunnar Taucher, and others), several examples of hospital buildings, and the earliest housing areas planned in accordance with new rational principles in some Finnish towns, as for instance the older "Olympic Village" near Helsinki.

Finland was twice drawn into the whirlpool of the Second World War, and this naturally meant a radical interruption of the particularly promising development outlined above. It is true that Finland emerged from the chaos with her independence preserved, but utterly impoverished by the war itself, the extremely heavy war reparations, and by extensive territorial cessions.

The most topical problem in the 1940's was that of trying in some way to create,



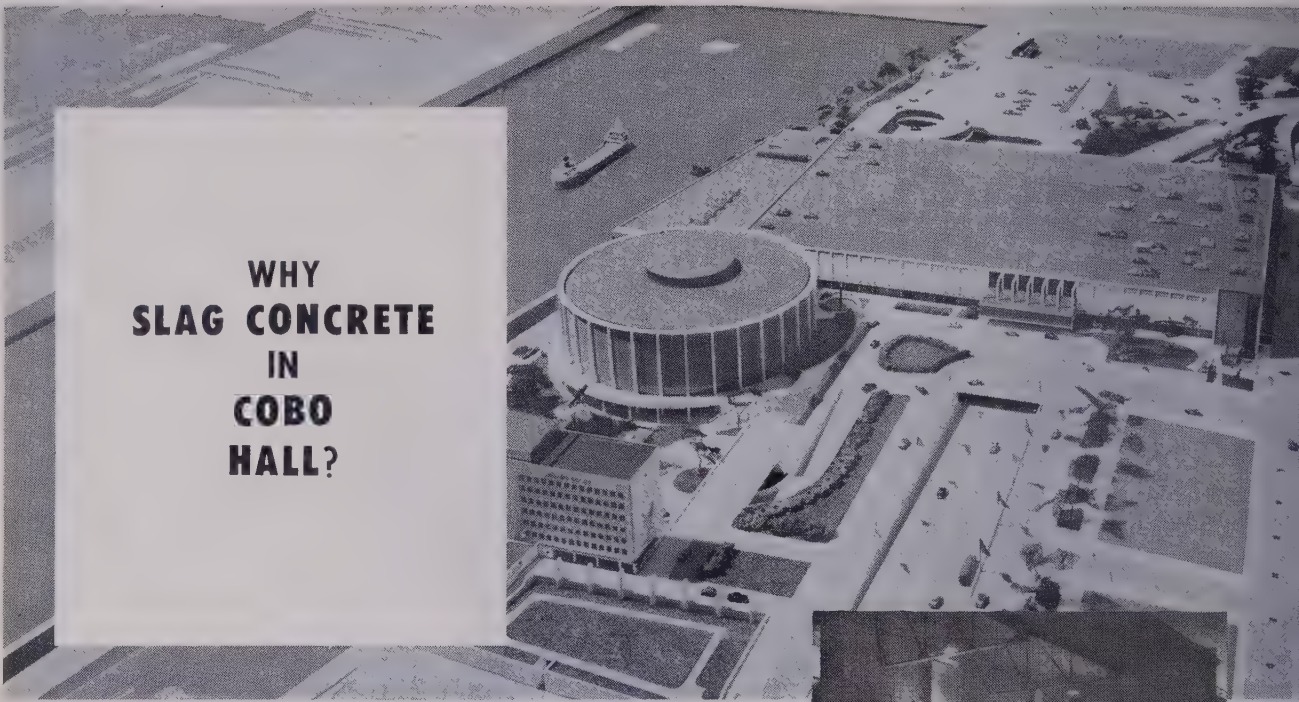
Church in Small Rural Parish of Rajamäki, Finland, Erkki Huttunen, Architect

under the most difficult of circumstances, adequate housing for nearly half a million evacuees, that is approximately 12 per cent of the population of the country at that time. It can hardly be said that this problem has been completely solved yet. Despite intense building activity, first of all the erection of small houses in the countryside and semipermanent plain wood-construction blocks of flats in urban areas, and subsequently permanent blocks of flats in stone, the housing shortage has not yet been overcome in urban districts. In Finland, as in other countries, reconstruction has required governmental support; in the first instance this was directed towards the creation of one-family houses. After 1949, when ARAVA, the government office for the granting of building loans, started its work, apartment houses were also given appreciable support in the form of low-interest loans.

It is obvious that such compulsory production of housing with the work being carried out under difficult economic conditions, could not achieve the best possible results, in spite of the control exercised by the credit granting institution. Nevertheless, a number of excellent housing areas have been built up in recent years, partly under communal administration, and partly on the initiative of well-managed general utility companies. A housing area which is modern in every respect, and which attains a high architectural level, that of the garden city of Tapiola, outside Helsinki, is often quoted. The foundation, Asuntosäätiö, which is responsible for

Railroad Station, Helsinki, Eliel Saarinen, Architect





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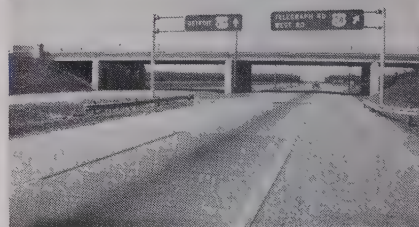
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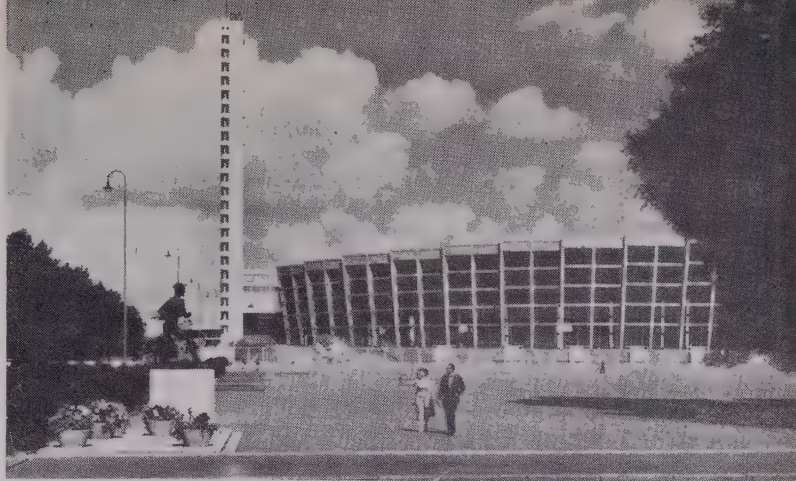
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the enterprise, has in fact managed to bring into being, with the aid of several eminent architects, a pleasant conglomerate of high and low buildings, of tower houses, terraced houses, one-family houses, with schools, kindergartens, shopping centres, etc. in park surroundings. A visit is really well worth while even for those not immediately interested in building.

As far as "grander," official architecture is concerned, a stagnation which was almost absolute prevailed for natural reasons throughout the 1940's. What was built and projected easily assumed the characteristic of romantic resignation, a fairly common phenomenon after difficult periods; the idyll became a refuge to be sought as a means of escape from hard reality. The beautiful and well-planned children's hospital (Ullberg and Linnasalmi) and the stately Sokos building with its business premises, hotel and offices (Hutunen), both in Helsinki, had been projected and started before the war. Among the buildings of note erected in the 1940's, there may be mentioned the group of buildings for the Finnish School of Economics (Baeckman & Harmia), richly proportioned and with refinement of detail.

From 1950, approximately, one can sense a complete return to the concepts of ideal form of the 1930's. Aalto, who remained faithful to his own dynamic-organic line, and who built for instance a personally characteristic dormitory for the Massachusetts Institute of Architecture in Boston, was once again the pioneer. His organically creative, highly varying architecture became the unattainable model for many. A list of Aalto's brilliant works during the last decade would be very long, and it is here possible to cite only the most striking examples. In Helsinki, he has produced the building complex of the National Pensions Institute, massive and yet full of life, the finely proportioned business building of Rautakonttori Oy, with a charming inner courtyard, the "House of Culture" with its freely conceived concert and meeting hall of excellent acoustic qualities. The facade materials used in these buildings are confined to brick, copperplate and natural wood. A jewel of its type is the small local government building of Saynatsalo near Jyväskylä, an intimate little brick house with the masses arranged in wings of varying height surrounding a partly open courtyard. The buildings of the Jyväskylä Teachers Training College are also of great interest. Two churches, one in Vuoksenniska and the other in



Helsinki Olympic Stadium. Lindegren & Jantti, Architects

Seinäjoki, reveal a new and interesting grip of ecclesiastical architecture. A number of highly interesting projects, not yet completed (Ljungby Crematorium, Denmark; the main building of the new Institute of Technology at Otaniemi, the Art Museum in Alborg, etc.) supplement the list of his works, to which should be added numerous buildings from his hand that have been, or are being, erected abroad in Germany, France and Italy. Aalto has substantially contributed to town-planning, and also to furniture design, where his creations can truly be said to have constituted an era.

Despite his position of dominance in Finland's architecture of today, Aalto is not alone in the field. His work is supplemented by that of a number of young architects, some of whom are highly talented, and who are frequently absolutely independent. In recent years, a strict and mathematically rectilinear style, in contrast with Aalto's organic-dynamic creations, has gained ground among his younger contemporaries. This trend, and the thought behind it, have a certain connection with the present endeavours to find, by the use of prefabricated elements, a modern and economic solution to building problems. Supporters are also to be found for a theorising, metaphysically speculative conception of architecture.

In conclusion, a list is given of some of the middle-aged and young architects who, often with considerable success, have asserted themselves in the 1950's, and have made an active contribution to Finland's newly acquired fame in international architecture. Viljo Rewell's powerful, rectilinear, bold conception of composition is beautifully expressed in the Teollisuuskeskus office building by the South Harbour of Helsinki, a new conspicuous addition to the capital's "representation facade" to the sea. An elementary school building in Meilahti, Helsinki, shows a boldly sweeping plan solution. The textile factory of Kudeneule

in Hanko is an example, in its crystallised simplicity and delicate proportions, of the high level attainable in industrial architecture. In his numerous residential buildings, in Tapiola, Maunula and Vaasa, his efforts at a striking architectural effect may occasionally have resulted in less successful house planning.

Aarne Ervi is a highly capable architect with much experience. He has also been busy in Tapiola, where he has planned residential and commercial buildings, and projected a shopping centre which is now under construction. He has made the drawings for a number of splendid power stations in the north of Finland, but his most important works are probably the Porthania Institute building of Helsinki University, a logical and skilfully realised element construction, and buildings for the Finnish University of Turku.

The passenger pavilion of Helsinki Harbour, projected by architects Luukkonen and Hytonen, is in its rugged simplicity and equilibrium a very good example of present-day Finnish architecture.

Jorma Jarvi's production comprises several fine schools with unconventional plan solutions, in Kulosaari, Vartiokylä and Tapiola, all in the vicinity of Helsinki. He also projected the attractive swimming stadium of the capital. Aulis Blomstedt, an individualistic architectural theoretician, has drawn series, terraced and atelier houses in Tapiola, and a new, well-restrained annex to the Finnish Workers' Institute in Helsinki. Among the talented young architects, first mention must go to Heikki Siren, son of the architect of Parliament House. His already extensive production includes the restrained cubist annex to the Finnish National Theatre, the Student Village at Otaniemi with its beautiful little chapel of frankly personal solution, and several noteworthy terraced houses and blocks of flats in Otaniemi and Tapiola.



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October '60 Monthly



COBO HALL

DETROIT, MICHIGAN

GIFFELS & ROSSETTI, INC.
ARCHITECTS • ENGINEERS
DETROIT, MICHIGAN



"View of Detroit river front in 1960" by American photo

EAST FACADE ON WASHINGTON BOULEVARD, SHOWING MAIN ENTRANCE





Pawlak of Lens-Art Photographers, Detroit

COBO HALL, largest exhibition building in the world, will be dedicated on October 13, 1960 followed by the opening of the National Automobile Show on October 15—first ever to be held in Detroit.

This enormous \$45,000,000*, air-conditioned, three-storied, versatile structure, devoted to 1,632,990 square feet of usable space and covering twelve acres, is located in the dynamic city's new river-

front Civic Center, which marks the site where le Sieur de la Mothe Cadillac, founder of Detroit, first set foot in 1701.

Named in honor of the late Mayor Albert E. Cobo, under whose administration much of the Civic Center was initiated, the magnificent structure was designed by the world-renowned Detroit architectural and engineering firm of Giffels & Rossetti, Inc.

*includes Convention Arena

EAST FACADE DETAIL



EAST FRONT JEFFERSON - LODGE EXPRESSWAY APPROACH





AERIAL VIEW OF NORTH AND WEST FACADES WITH LODGE EXPRESSWAY APPROACH IN FOREGROUND

Left to right: Henry & Edsel Ford Auditorium, Veterans Memorial Building, Convention Arena, Cobo Hall and Ramp to Roof

WEST FACADE WITH SPIRAL AUTO RAMP TO ROOF



COBO HALL is 480 feet wide from east to west and 900 feet long from north to south, which is at the river. It contains exhibit areas, assembly hall, dining rooms, storage space, all under one roof.

With the Convention Arena (still under construction) it can theoretically hold four major trade shows, thirty-three meetings and a three-ring circus with 9,600 spectators all at the same time.

On the roof of Cobo Hall is parking area for 1,150 cars which is reached by a spiral ramp on the west side of the building. The ramp accommodates

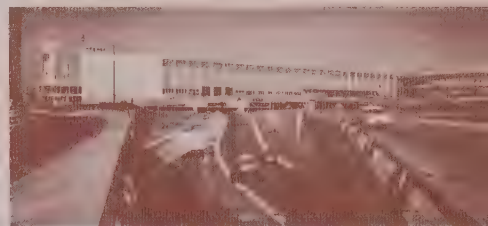


REGROUND



SPIRAL RAMP DETAIL FROM RIVER DRIVE

EXPRESSWAY APPROACH
TO WEST FACADE



NORTH FACADE FACING LARNED STREET



three lanes of traffic. There is also provision for a heliport on the roof. An underground garage at the north end of the structure holds 606 vehicles and a two-level garage beneath the upper plaza has space for 418.

Two loading docks at the west side of the building provide twenty-three spaces for trucks, twelve at river level and eleven at street level. Cobo Hall's northern end spans the six-lane John C. Lodge Expressway which begins from there and runs for many miles out into the populated northwest suburban section of Detroit.



BANQUET HALL-BALLROOM-AUDITORIUM OVERLOOKS RIVER

THE BANQUET HALL can seat 2,800 at tables, or, 4,500 when changed into an auditorium, and it can also be used as a ballroom. A cafeteria on the third level seats 1,500 and the coffee shop on the first level can serve 200 at a time. All overlook the Detroit River with beautiful views.

Kitchen equipment cost \$379,600. \$45,736 automatically-controlled conveyorized, electric broiler broils steaks continuously at the rate of 4,000 an hour each to the particular taste of the diner's order.

In the 292,425 square foot main hall there are only two rows of interior columns spaced 240 feet apart transversely and 120 feet long longitudinally, five in each row. It can be subdivided into two or three parts, by lowering sound absorbing walls at the mid-thrift points, and making each available for independent use.

THREE VAST EXHIBITION HALLS CAN BE MADE INTO ONE GIANT ROOM 405 x 715 FEET



The structural steel and foundation requirements were tremendous. The weight and load carried by the steel (19,721 tons) is supported on 4,500 cast-in-place concrete piles, driven to an average depth of 100 feet, requiring 26,000 cubic yards of concrete. The largest pile group was made up of twenty-nine 100-ton capacity piles.

Exhibit floor strength varies as to location. Hall D, on the first level is designed for 600 lbs. per sq. ft. uniform live load. Hall C, which is directly above, carries 200 lbs. per sq. ft. uniform live load if the entire area is loaded, or loadings up to 1,000 lbs. per sq. ft. on limited areas. Halls A and B (except the portion above the Expressway), are designed for 400 lbs. per sq. ft., or 2,000 lbs. per sq. ft. on a limited area. The portion above the Expressway is limited to 300 lbs. per sq. ft. if the entire area is loaded.



WASHINGTON BLVD. FOYER EXTENDS FROM LARNED TO RIVER

THIRTY-FOOT HIGH CEILING OF DECORATIVE ALUMINUM AND GLASS WITH FLUORESCENT LIGHTING





PEDESTRIAN-VEHICLE RAMPS WITH LONG, EASY GRADES PERMIT FREE FLOW OF TRAFFIC FROM FLOOR TO FLOOR

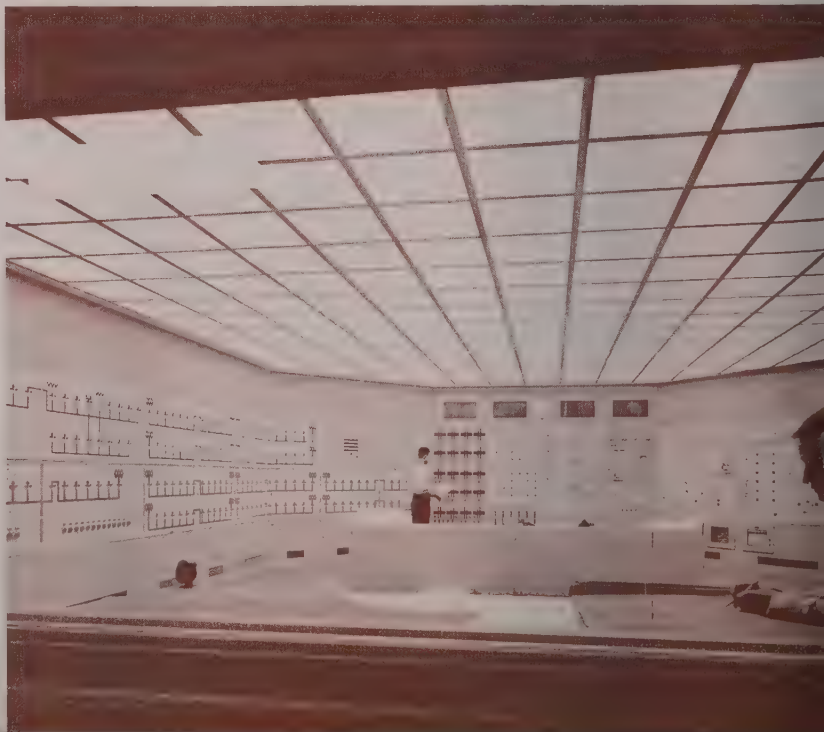
THERE ARE MANY STAIRWAYS, elevators, escalators—all linked with hallways and corridors that surround the exhibit halls and lead to street-level foyers, or to underground or rooftop parking areas.

Strategically-placed floor service boxes for air, gas, water and drains, plus telephone and electrical power in ample capacity and appropriate voltages are available for exhibitors' needs.

The entire building is air conditioned requiring sheet metal ducts weighing a total of 700 tons. To equal the capacity of refrigeration equipment, 7,000 window air conditioners would be required. Temperatures in all areas of the building can be monitored and controlled from the Central Control Panel.

Sixty miles of piping were required to provide mechanical services throughout the building; twenty miles of electrical wiring to connect the automatic controls; over 800 telephone floor boxes; and water and sewer systems equal to the requirements of a city of 70,000 inhabitants.

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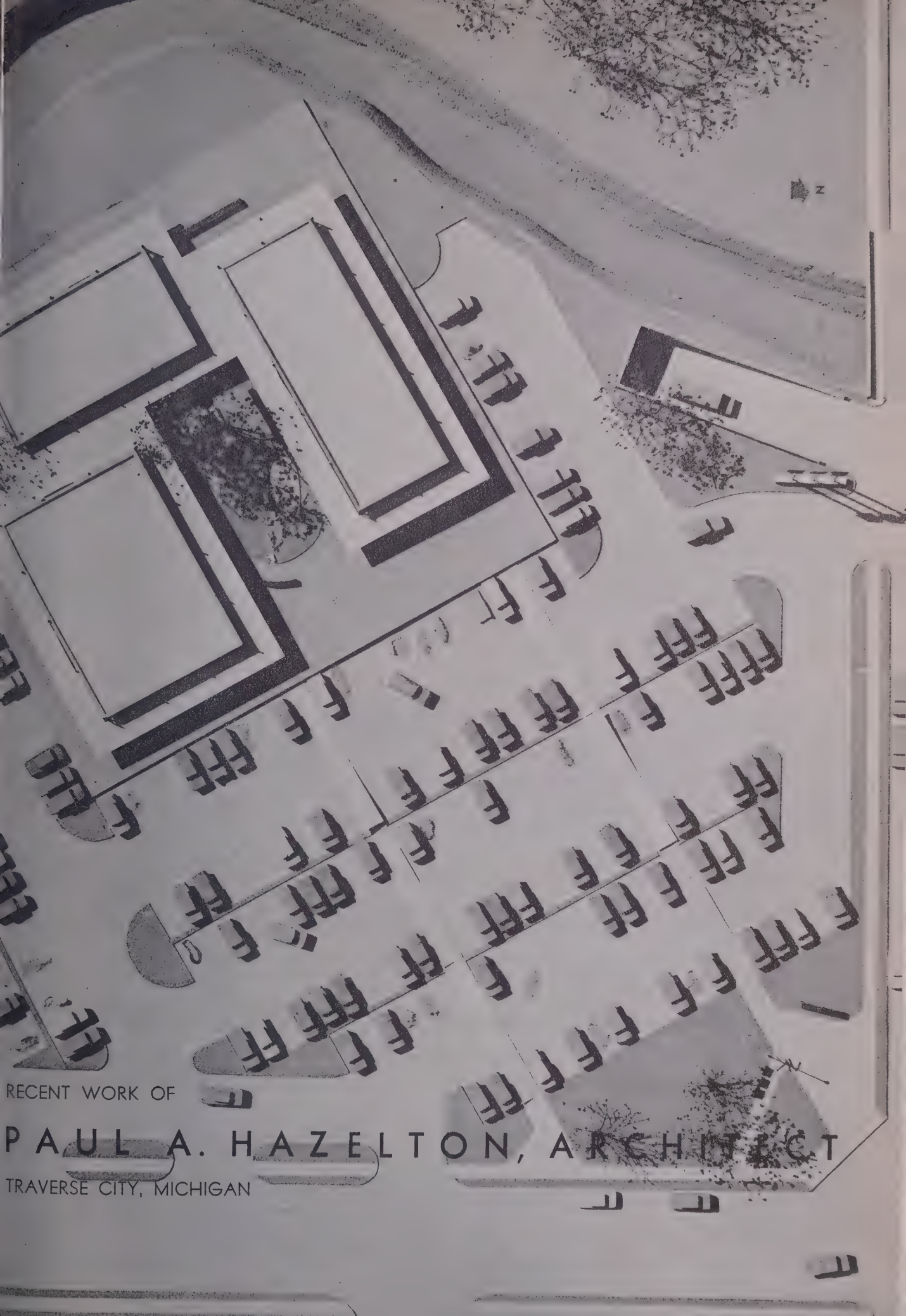
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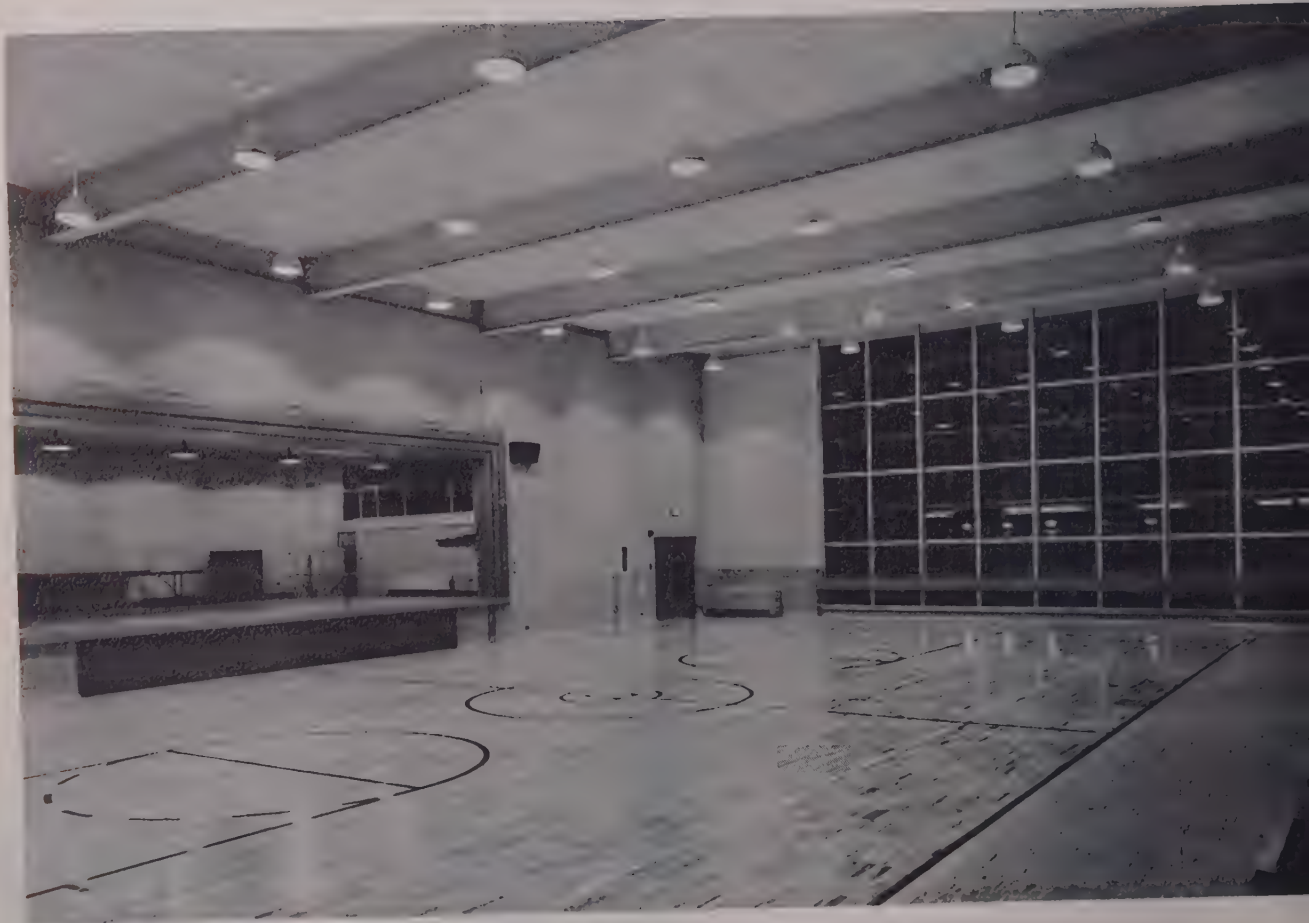
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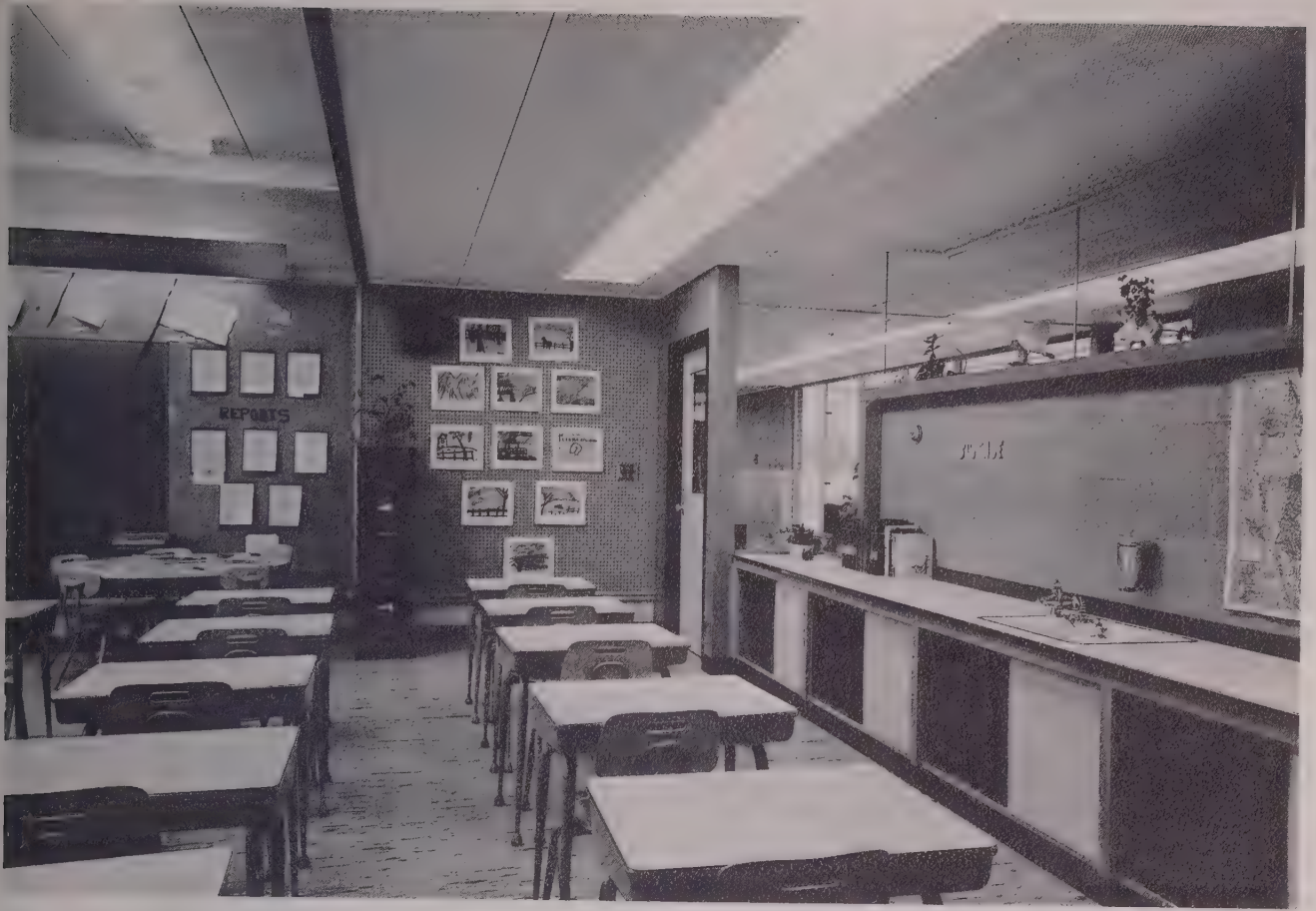


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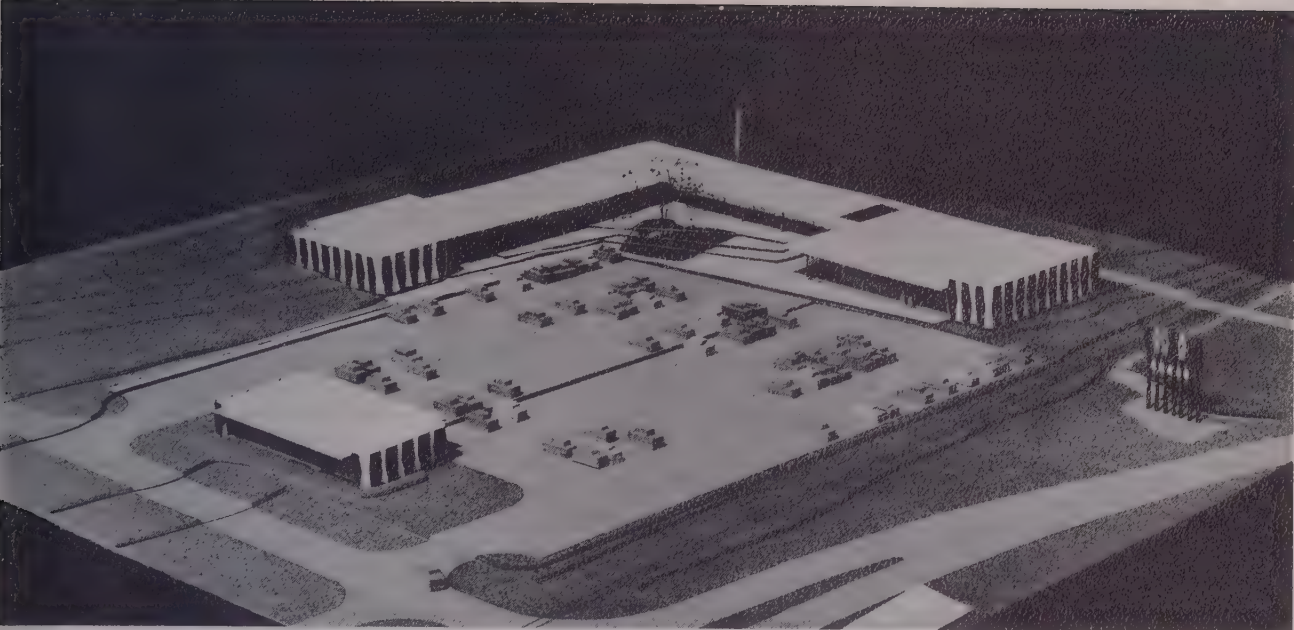
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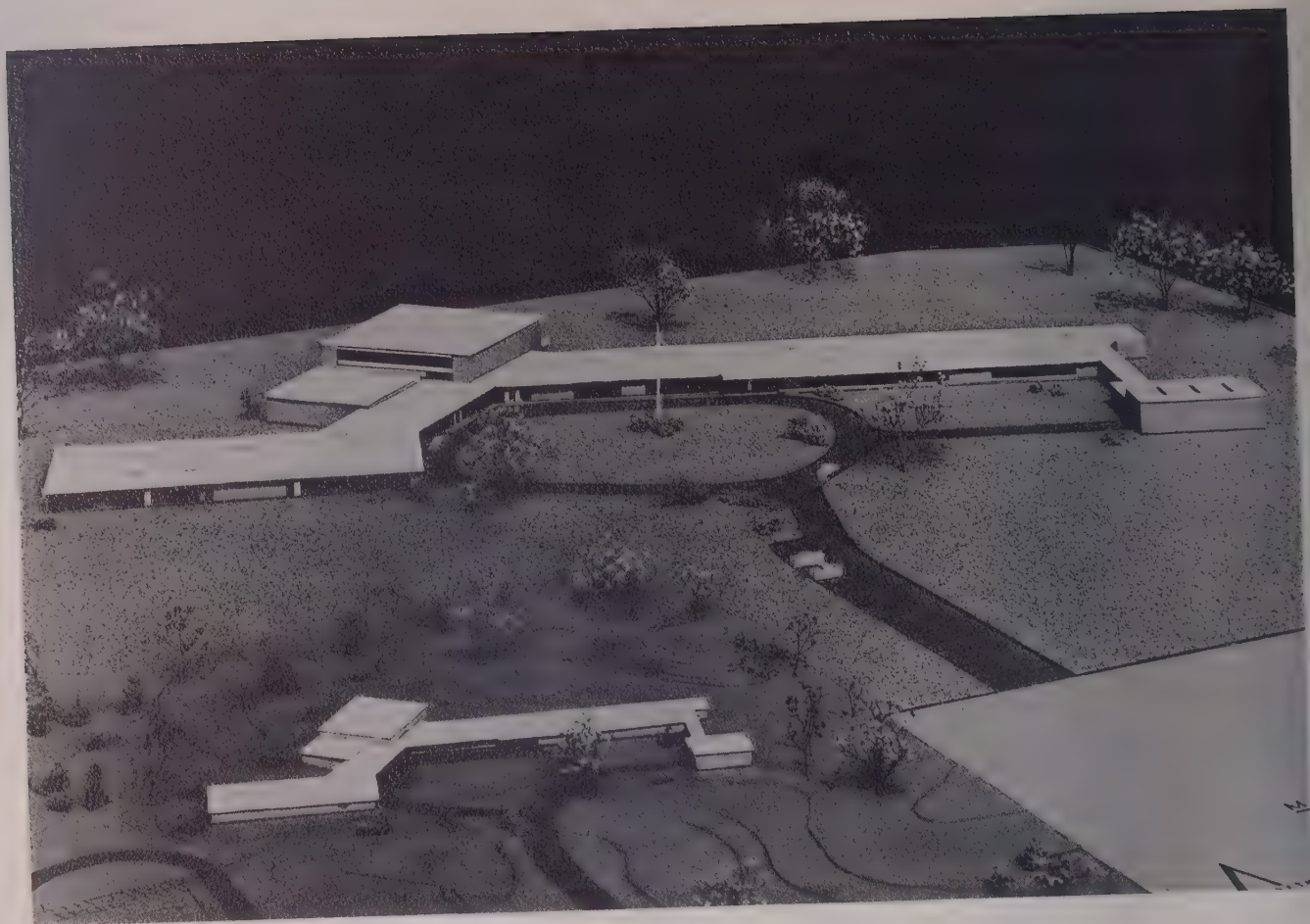
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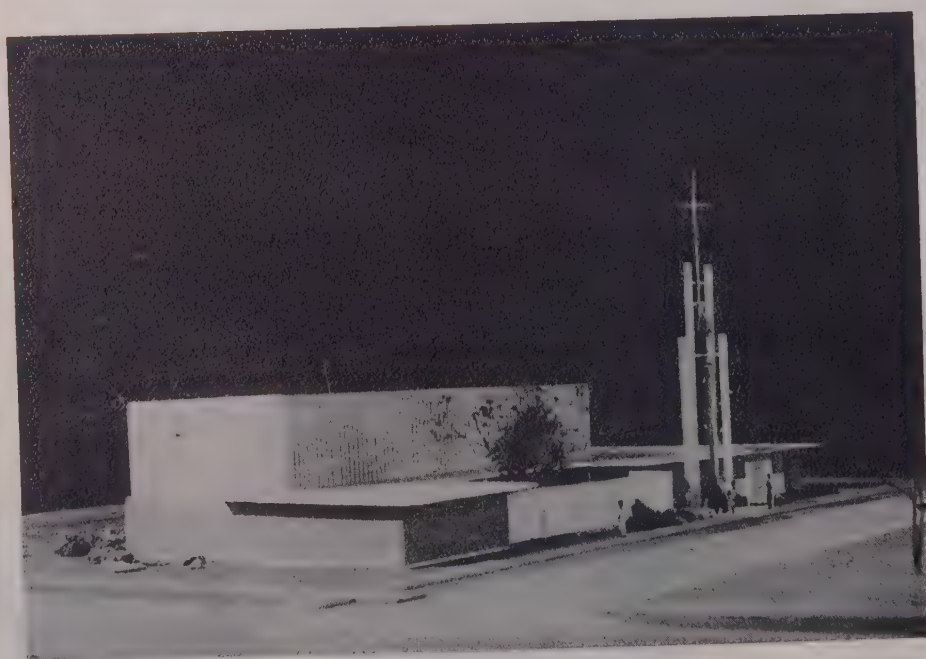
BEFORE AND AFTER



OLESON'S FOOD STORE
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PROPOSED SENIOR HIGH SCHOOL, MIO, MICHIGAN



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By EDWARD K. FITZGERALD, AIA
Western Michigan Correspondent

WESTERN MICHIGAN CHAPTER'S annual meeting for election of officers and the reading of committee reports will be held Monday, October 17 at the Anchor Inn at Gull Lake. Ruard "Bud" VanderPloeg of Battle Creek is serving as chairman of the day. Ian Ironside of Lansing is chairman of the nominating committee, assisted by George Sprau of Kalamazoo and Paul Flanagan of Grand Rapids.

Jay Volkers of Grand Rapids and A. James Albert of Kalamazoo are two new members of the Michigan joint committee of A. I. A. - A. G. C., which held its September 7 meeting at the Flint Golf Club. Reports on the group's study projects were heard, covering soil studies, safety specifications, roof bonds, guarantees and problems resulting from the misuse of alternates.

Charles Opydke, president of the Western Michigan chapter, spoke September 21 to the Lansing Torch club, a Red Feather campaign group. His subject was "Exit the 2 x 4."

Two new members have been named to the Western Michigan chapter. Herbert G. Daverman of Grand Rapids and Peter J. Futympski of Kalamazoo were each given corporate membership status.

A SCHOLARSHIP has been established by the Koh-I-Noor Pencil Co., Bloomsbury, N. J., at Ferris Institute, Big Rapids, Michigan.

It will be known as the "Koh-I-Noor Pencil Co., Inc. Scholarship," and will be awarded to the most deserving student in the newly instituted program in Reproduction Technican Training and Drafting.

"We are establishing this scholarship at Ferris Institute," said Koh-I-Noor's President William E. Daniczek, "as a symbol of this country's traditional interest in drafting and engineering, and in encouraging young men to enter the field. Ferris Institute was selected because of its fine reputation as an educational institution in technical training, and as recognition and support for its new program in training technicians."

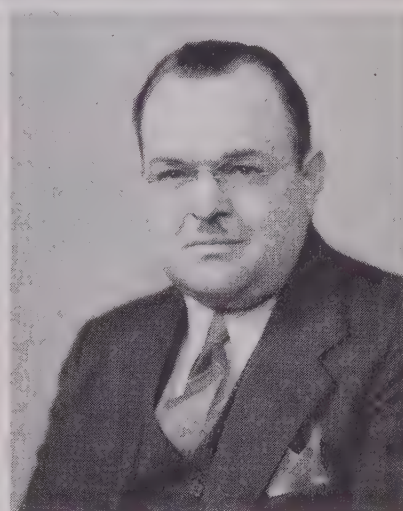
Kingscott's 4th Decade

1960 REPRESENTS THE FIRST YEAR OF THE 4TH DECADE that Louis G. Kingscott & Associates, Inc., have provided architectural and engineering services to the community of Kalamazoo and many other communities in the Midwest.

In celebration of this milestone and the completion of a new addition to the local office building the firm has announced plans for an open house to be held on Friday and Saturday, October 21 and 22.

From a beginning 31 years ago in offices situated in a remodeled residence in Kalamazoo, the firm then known as Stewart-Kingscott Company has experienced continued growth and expansion. Offices in Davenport, Iowa, Indianapolis, Indiana and an association with Science & Engineering Corporation of Detroit provide a wide base of operations and is indicative of the development of the concern.

Graduated in 1922 from the University of Michigan with a degree in Civil Engineering, Louis C. Kingscott was employed by several construction companies as designer, estimator and engineer in charge of construction projects throughout Michigan. Mr. Kingscott in 1929 entered business together with



Donald A. Stewart. It was in 1939 at the death of Mr. Stewart that the firm was given the name by which it is now known.

A member of the American Institute of Architect for years and past president of the Michigan Engineering Society, Louis C. Kingscott has done much in advancing the standards of these professional organizations.

The Michigan Society and all of us who know him extend to him our best wishes as he stands on the threshold of another decade of service to his profession.

MSA BOARD OF DIRECTORS met at Blythefield Country Club in Grand Rapids on September 19, and joined with the WM Chapter members for dinner. This was the Chapter's Honor Awards program. The Board met at luncheon at noon, continued through the afternoon. The jury for the Awards program brought in their report, which will be published in our November issue, together with a section devoted to Detroit Chapter's Honor Awards and a section devoted to the work of members of Saginaw Valley Chapter. This will be our Public Officials issue.

COMING EVENTS

October 17
Lansing — Election of Officers
November 21
Battle Creek — Ladies Night — Party
December 12
Local Area Meetings

CARL H. ZILLMER, AIA is now with OBryon & Knapp Associates, Architects 300 E. Fulton Street, Grand Rapids 3, Mich.

HERBERT G. DAVERMAN of Grand Rapids has been elected a member of The American Institute of Architects and assigned to the Western Michigan Chapter, it is announced by Charles V. Opdyke, Chapter president.

Daverman is a member of the Grand Rapids firm of J. & G. Daverman Company, one of the oldest in Western Michigan.

WANTED ARCHITECTURAL DRAFTSMEN — with principal experience in detailing. ALSO position available for person qualified in architectural shop drawing checking plus specification writing. Write—Warren Holmes Company, 820 North Washington Avenue, Lansing 6, Michigan.



The Green Oak, Michigan HMS beneficiation installation.



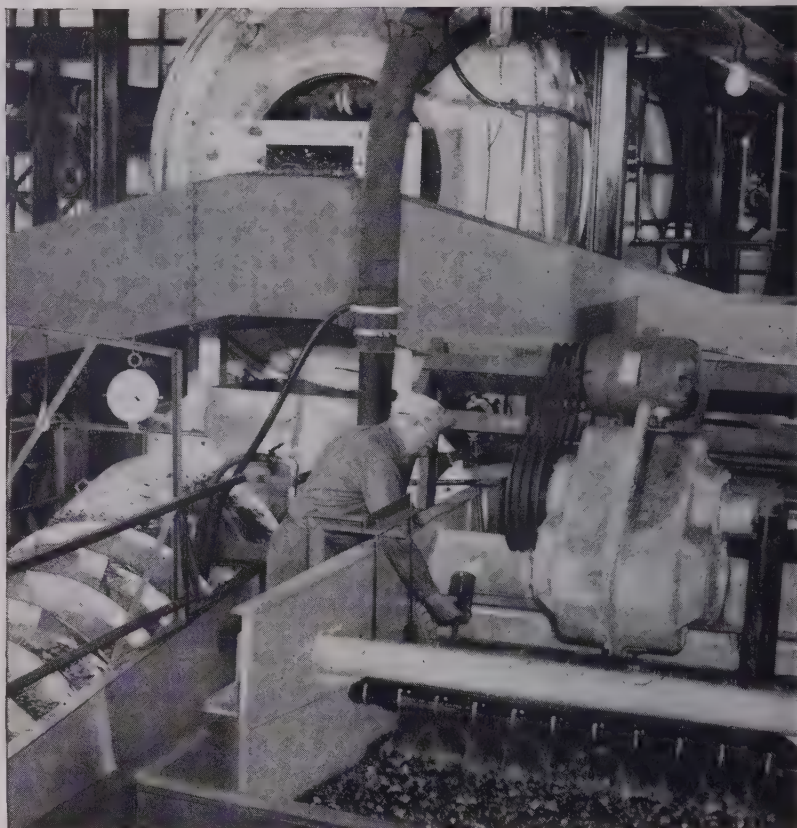
HMS beneficiation plant at our Oxford, Michigan Location.



Heavy Media Separation at American Aggregates Corporation

The American Aggregates Corporation buildings shown above are devoted entirely to a new method of gravel beneficiation called "Heavy Media Separation". These are the largest HMS aggregate beneficiation installations in the country.

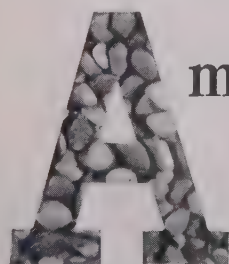
Heavy Media Separation consists of passing the aggregates through a special medium of pre-determined high specific gravity. Softer, lighter "deleterious" materials float off and are thereby separated from the harder, denser, more desirable



Separator room at Oxford; heart of the HMS beneficiation system.

aggregates. This treatment results in the highest quality of aggregates, which we call "Preem-Agg". Such aggregates are essential to sound, durable, weather-resistant concrete.

The installation of this extensive equipment, which represents the latest engineering "know-how" in aggregate production, was made to provide the best possible product for our customers' use. It supports our contention that you should specify and use AMERICAN aggregates—They're better, *naturally*.



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DETROIT CHAPTER, A.I.A.

Detroit Chapter, The American Institute of Architects will hold its annual meeting and election of officers and directors Wednesday, October 12 at Northwood Inn, 2593 Woodward Avenue in Berkley.

Cocktails, compliments of the Chapter, will be served at 6:00 P.M., dinner will be at 7:00 and the program will begin at 8:00. The Chapter Board will meet at the Inn from 3:00 to 6:00. Ladies are especially invited to the cocktail party, dinner and program.

The Chapter Gold Medal will be awarded to a member for "Meritorious

Service," and two Honorary Memberships will be presented to non-members who have made "notable contributions to the profession of architecture for more than ten years."

This will also be the occasion of presenting plaques in the Detroit Chapter's 1960 Honor Awards program. An exhibition of buildings done by Chapter members during 1959 is being held at The Detroit Institute of Arts. A jury will report its findings at this meeting and awards will be made.

President Robert F. Hastings has ap-

pointed a nominating committee consisting of Earl G. Meyer, chairman; Frederick J. Schoettley and Philip N. Youtz. The Chapter Board appointed as a second nominating committee: Gerald G. Diehl, chairman; Herbert W. Johe and Charles H. MacMahon, Jr. The two committees will prepare separate slates of officers and directors to be voted upon at the annual meeting.

As has been the custom, no speaker has been engaged for this annual meeting. Instead, the meeting will be devoted to an open forum for members.

SAGINAW VALLEY CHAPTER, A.I.A.

By **ROBERT S. GAZALL, AIA,**
Chapter Correspondent

The following Items are the Highlights of the Saginaw Valley Chapter, A.I.A. Meeting of September 19, 1960 at the Town House, Flint, Michigan.

1. Three Associate Members of the Chapter were presented and approved for Corporate Membership, Don Jay Kelly, Charles B. Blacklock and Robert E. Schwartz.

Mr. Kelly resides at 3842 S. Towerline Road, Bridgeport, Michigan. Although born in Caro, Michigan, he was raised and attended Flint Public Schools and is a 1951 graduate of the College of Architecture and Design at the University of Michigan. Mr. Kelly received his experience in the office of Glenn M. Beach of Saginaw, being employed there ten years. Kelly has recently opened his own private practice at his residence.

Mr. Charles B. Blacklock lives at 1812 Eastman Road, Midland, Michigan. He was born at Elberta, Michigan. Mr. Blacklock is a 1952 graduate of the College of Architecture and Design at the University of Michigan and has received his training in various offices of the Western Michigan Chapter of which he was an Associate Member.

Mr. Robert E. Schwartz resides at 407 Jerome Street, Midland, Michigan, and is a native of Midland. Mr. Schwartz has attended Kalamazoo College, Eastern Michigan University and is a 1954 graduate of the College of Architecture and Design at the University of Michigan. Mr. Schwartz received his experience in the Saginaw Valley area of fices.

Both Mr. Blacklock and Mr. Schwartz have recently opened their practice together as **BLACKLOCK AND SCHWARTZ, ARCHITECTS**, at 417 South Saginaw Road, Midland, Michigan.

2. The MSA Monthly Bulletin Committee has finalized all material for the Saginaw Valley Chapter Spread in the

November Issue. Dale Suomela of Flint is Chairman of the Bulletin Committee.

3. A Committee was appointed for the nomination of new officers for the 1960-1961 Saginaw Valley Chapter Program. The Committee is made up of Mr. Paul A. Brysselbout, of Bay City, Mr. Clee Allison of Midland and Mr. Clarence L. Waters of Saginaw. Nominations are open for President, Vice President, Secretary, Treasurer, one Chapter Director and on Director to the Michigan Society of Architects.

4. Mr. Robert P. Gerholz, of the Gerholz Community Homes, Inc., Flint was the Speaker for the evening. Mr. Gerholz is very active in the Field of Building, Housing and Community Development. He has been President of the National Association of Home Builders and the National Association of Real Estate Boards, and has served on many various committees of both organizations. He has talked to many Architectural groups throughout the Country and recently attended the Housing Conference at Geneva, Switzerland as an official U. S. Delegate. Currently he is one of the nine Delegates at large of the National Chamber of Commerce.

Mr. Gerholz reviewed Architects-Home Builders relations and the Improvement of Lacons between them, particularly in the Field of Mass Housing. He has spent almost forty years in the Housing Industry and discussed many of his own experiences.

Mr. Gerholz does think that the Architect has been too lax with the Home Building Industry due to the fact that so much very bad project housing now covers and will cover the American Landscape. However he does think that the next ten years will be very successful. His optimism stems from the fact that there is no secret formula for success except hard work, enthusiasm, creativity, motivation and forward planning. Architects and Builders should work to-

gether more earnestly and cooperatively and that the Architects must carry this professional responsibility and leadership for new growth and progress if we are to improve such present housing conditions.

Further, Mr. Gerholz foresees, that the Saginaw Valley Area is one of the most dynamic growth areas in the Country. Leadership, Industrial, Cultural and Civic Planning and investment patterns has set tremendous strides in the last few years and will add to the Community assets for the years to come. He said that Decentralization is slowing down and Recentralization is setting in around the Country.

Presently there is a Revolution in light construction in way of organization, technical standards, research, managerial talents and new concepts of financing. The Town House and garden apartment type housing will be the concept of housing in the next ten years. Mr. Gerholz recommends a research and technical center for the Housing Industry to take advantage of the Housing Programs that will shortly arise in the Industrialization of the Homes, Land Planning and mass rehabilitation of existing housing and the study of population movements. The Architects, he said should be the most active in this Revolution to offer the Leadership that is required.

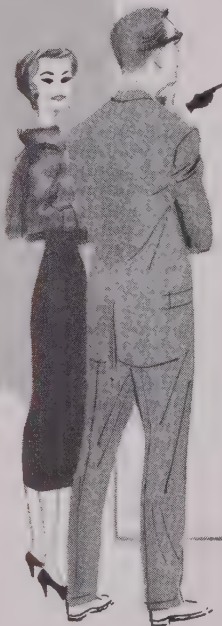
Mr. Gerholz closed with this thought, that if Architects and Home Builders are to meet the challenge of the Sixties, then cooperation between the two groups, bold planning and research must take place if we are to have a peaceful and more dynamic national economy.

A lengthy question and answer period followed.

5. The Chapter October Meeting will be held on Monday, October 17th at Midland. Jack Hallet is Chairman and the Program will feature Construction and Craftsmanship awards within the Chapter.

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DETROIT CHAPTER

REPORTS

Relations with the Construction Industry

Paul J. Ketelhut, Chairman

ACTIVITIES:

Activities of this committee and sub-committees were as follows:

1. MEETING WITH CONCRETE PRODUCTS ASSOCIATION OF MICHIGAN

Members of the committee were invited to a meeting at the Sheraton-Cadillac Hotel on December 18, 1959 by Mr. C. A. Serrine, Executive Secretary of the Concrete Products Association of Michigan. The purpose of this meeting was to obtain expressions from Committee Members regarding locally developed ways and means by which a substantial number of design possibilities may be added to the use of concrete masonry as decorative material with reasonable economy to the decorative shapes presently offered in certain manufactured areas. Also under discussion was the proposal to expand the areas of availability as well as to increase the opportunities for original design development and to anticipate the use of block shapes and sizes to be found in the regular inventory of the average block producer.

The Committee Members present certainly expressed their views and we hope assisted the Association at arriving at a satisfactory solution to their problems.

AIA Student Chapter

University of Detroit
Calendar of Meetings and Speakers 1960-61
All Meetings begin at 7 p.m.
In Student Union

- Oct. 18 — Baltazar Korab
Architectural Photographer
Birmingham, Michigan
- Nov. 15 — Linn Smith, AIA
Linn Smith Associates, Inc.
Birmingham, Michigan
- Dec. 5 — Philip Meathe, AIA
Meathe, Kessler & Associates,
Inc.
Grosse Pointe, Michigan
- Dec. 9 — Dinner Dance
- Jan. 17 — Carl Johnson, ASLA
Eichstedt - Johnson Associates
Landscape Architects
Detroit, Michigan
- Feb. 14 — Harold Tsuchiya
Minoru Yamasaki & Associates
Birmingham, Michigan

2. REQUESTS FOR "REPORTS" BOOK

Several outstate architects have contacted this A.I.A. Committee for copies of the "Reports" book. These requests were taken care of.

3. "REPORTS" BOOK COMPLIANCE LETTER

The A.G.C. have approved the proposed letter by the A.I.A. committee covering architects compliance with material contained in the "Reports" book. This letter when revised to cover slight suggestions by the A.G.C. should be then sent to all Michigan practicing architects offices.

Sub-committees of A.I.A. and A.G.C. have now been assigned to cover the following topics:

1. Construction Safety Procedures.
2. Revision of Insurance Documents in "Reports" Book.
3. Clarification of Temporary Heat and Light in "Reports" Book.
4. Clarification of Unit Price in "Reports" Book.

4. MEETING WITH BUILDERS AND TRADERS EXCHANGE

Mr. Jack Mills represented this committee at a Builders and Traders Exchange meeting at the Veterans Memorial Building where the topic under discussion was Good Credit Practices and Overextension of Credit. Jack will discuss this at our next meeting.

5. NEW PROGRAM BY BUILDERS & TRADERS EXCHANGE

The Chairman of this committee was informed by Mr. Edwin Salkowski, Chairman of Education Committee of the Builders & Traders Exchange of Detroit that a program is to be instituted by them to promote and co-ordinate efforts in the common good between the professional architect, engineer and the construction industry. This committee has been invited to participate in this program which is expected to commence the first of the year, 1961.

Civil Defense

W. B. Anderson, Chairman

This Committee, continuing from previous year, held no formal meeting during the current year, maintaining contact only on informal basis.

It continues to receive, review and maintain a file of bulletins and announcements on Civil Defense issued by Region Four at Battle Creek, receiving in excess of 100 during current year. The more important information issued also received good newspaper coverage so your Committee did not extract and publicize it through the Bulletin.

Periodic contact with other local groups on Civil Defense shows that:

Local Associated General Contractors Committee, developing their Disaster Plan ran into liability insurance difficulties they couldn't resolve and with insufficient drive from other phases, their program is currently idling.

The Engineering Defense Council of ESD again planned to broaden their activity with 30 to 40 affiliates showing interest but Department of Defense was not sufficiently active nationally so ESD curtailed their program for current year.

City of Detroit and Wayne County Civil Defense continued on limited basis due to lack of funds but will get relief for six months after January 1961 with some matching Federal funds. Their offices were assured by your Committee that the Detroit Chapter would co-operate where possible in their efforts including publishing information in the Bulletin. When the booklet "Guide for Architects and Engineers on Fallout Shelters" was printed they took up this offer and its availability was announced in the July 1960 Bulletin. No requests for copies have yet been received so further publicizing may be desired. This Committee will continue to maintain contact with Civil Defense and its relation to the Detroit Chapter.

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DETROIT EDISON

Detroit Chapter AIA Meeting

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SEPTEMBER 13, 1960

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Photo Illustrators Inc



AT SPEAKERS TABLE—Don Stewart, Robert C. Turner, speaker; Detroit Chapter AIA President Robert F. Hastings and Mrs. Hastings, Ted Duke and Jack Clark



Dean Philip N. Youtz and Mrs. Youtz, Prof. L. Robert Blakeslee, Werner Guenther, Paul B. Brown and Leo I. Perry



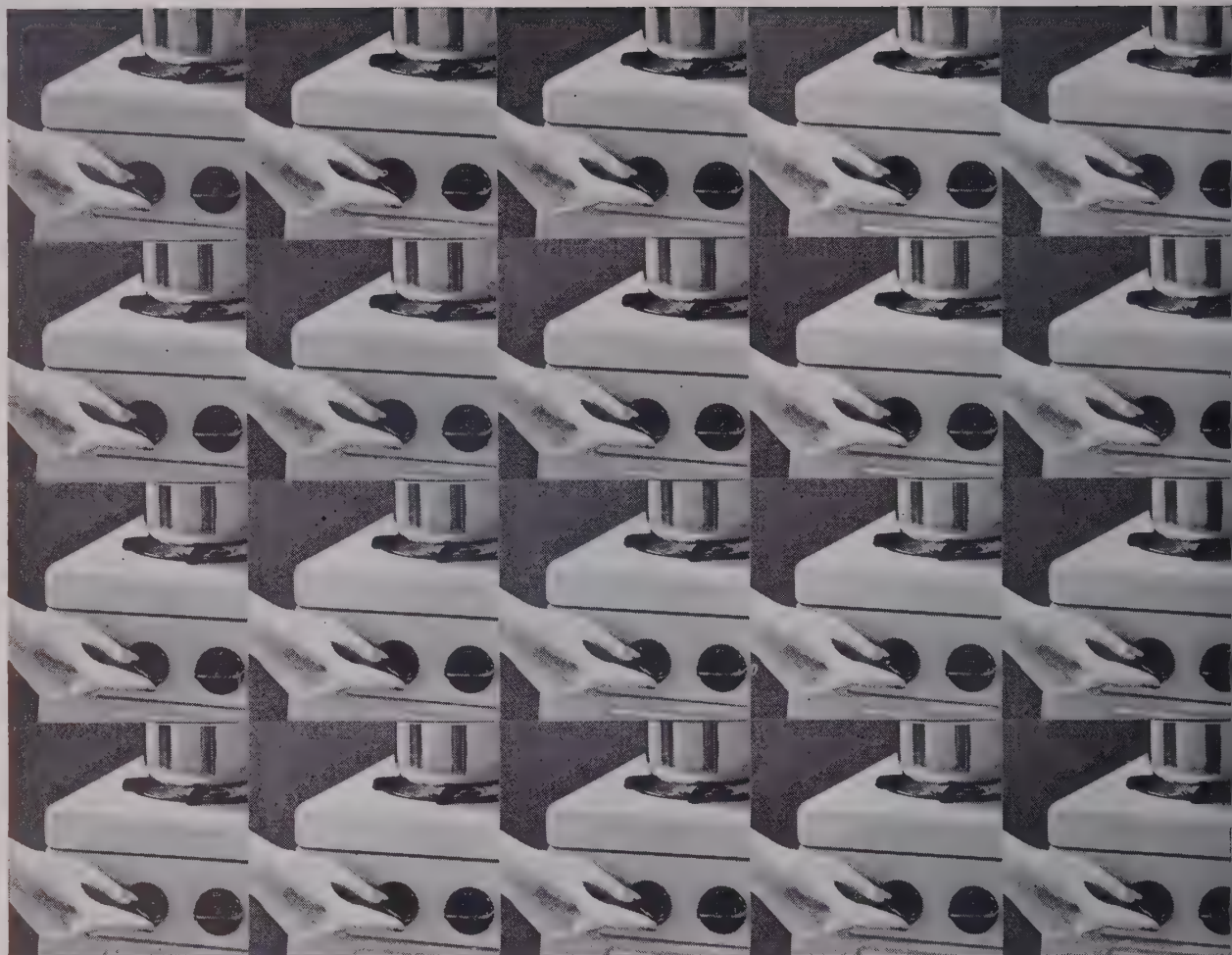
Mr. & Mrs. LaVern J. Nelsen, Mr. & Mrs. Edwin F. Noth, Mrs. William H. Odell, Mrs. Ernest J. Dellar and Stanley Fleischer



Shirley Bloetscher, Mr. & Mrs. James B. Morison, Douglas Bloetscher, Larry Kennedy and Frank Ignich



Paul Kurtz, Mr. & Mrs. Samuel Burtman, Mrs. George L. W. Schulz, Talmage C. Hughes and George L. W. Schulz

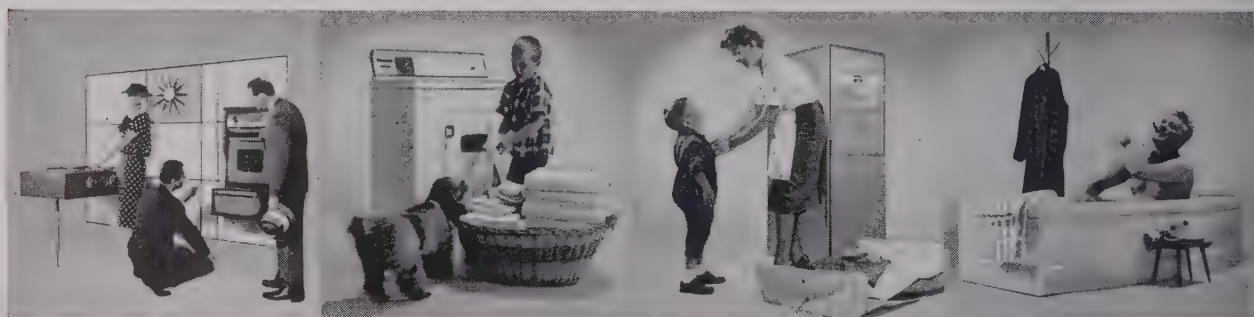


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Torch Drive

JOHN W. ARMSTRONG, Chairman of the 1960 Metropolitan Detroit Building Trades Industry Torch Drive, was host to the Kick-Off luncheon held on September 8th at the Park-Shelton Hotel, Detroit. This is his ninth year in heading up the drive. Over eighty attended the cocktail party and luncheon.

Gerald G. Diehl, Secretary of the Michigan Society of Architects and a Director of the Detroit Chapter, AIA, presided in the absence of Armstrong who was unable to attend because of a recent illness.

Chairmen and Co-Chairmen working under the Building Trades Industry & Professions banner for this year's Torch Drive are: James A. MacAlarney, John W. Armstrong, M. M. Bush, Robert Bryant, C. Allen Harlan, Daniel Diamond, Gerald Diehl, James Garrison, Joseph W. Gross, Marion Macioce, Thomas McNamara, Robert Hastings, Joseph Bobbio, John Andrews, Joseph Lacy, Joseph French, Talmage C. Hughes, Cliff Lorne, Tim McCarthy, Jack Hayes.

John S. Ecclestone, Herbert Blumberg, William McNaughton, George A. Wither, Robert Johnson, Charles Watkins, Charles Paluska, Hol Mabley, W. Harry Lane, Al Keats, William DePollo, William Walker, L. M. Weir, E. Thompson, Mervyn E. Smith.

Les O'Bryant, Irving Rose, Herbert Vincent, Art Cronin, George Kirchner, Charles Morrow, Elmer Johnson, Joseph Boguth, Edward Webster, Sawyer Earle, Tom Duffield, James W. Galvin, Fred Bolle, W. J. Rettenmier, Donald D. Cochran.

Fred Tykle, Fletcher R. Armstrong, Carl Stewart, Adam White, Lee Betz, Russell Curtis, Cass Wadowski, Edward Smith, Malcolm F. Detlefs, Robert Cain, Joseph Perry, C. Ray Davisson, Harold Goldsmith, Earl I. Heenan, Jr., Angelo DiPonio.

One hundred and ninety-five agencies now benefit from the United Foundation Torch Drive in this once-for-all solicitation for the help of humanity.

Benyas - Kaufman Photo



Among those who attended the Torch Drive luncheon were C. Allen Harlan, President of Harlan Electric Co.; James A. MacAlarney, Director of Plant Engineering Office of the Ford Motor Co.; Gerald G. Diehl, Vice President of Diehl & Diehl, and Robert F. Hastings, Executive Vice President and Treasurer of Smith, Hinchman & Grylls Associates.

DABL Opens 39th Season

WITH A BRIEF WELCOMING ADDRESS by W. J. Smolky, President of Detroit Architectural Bowling League and the rolling of the first ball by Mr. Amedeo Leone, President of Smith, Hinchman & Grylls Associates, the members of the DABL opened its 39th season at the Great Lakes Recreation on September 9th.

Many of the bowlers found the new lanes to their liking with some commendable shooting, especially Paul Babij, member of the McGrath & Doman team, who rolled a sizzling series of 686 on games of 226-235 and 225—quite a mark for the boys to shoot at. Only other member to shoot the charmed '600' circle was Jack Smolky who rolled games of 190-212 and 202, totalling 604.

Smith, Hinchman & Grylls Associates, Champions of last year and permanent winners of DABL Trophy, started right off where they left off last year by shutting out the Les Davies team. McGrath & Dohmen was the only other team to take 4 points by blanking Robt. Davis team.

The winner of the first prize of the season (of over 60 lbs. of bananas) donated by Pete Badalament (known as the Banana King of Detroit), was none other than Sylvester Stone, member of Diehl & Diehl team, who rolled the mystic game of 178. Rumors are now going around that with the added vitamins the Diehl boys will receive, their scoring will certainly improve — they bear watching.

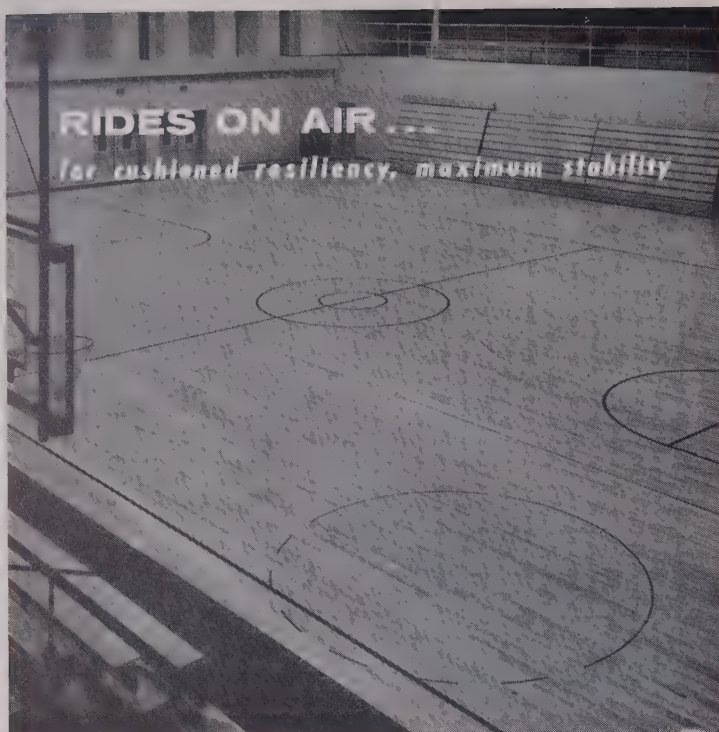
As Mr. Ripley would say, "Believe it or Not," Bob Gustafson — the leading



William E. Bradley Photo

New Frederic B. Stevens DABL Trophy—the goal for every team in the 1960-61 Season, now being played at Great Lakes Recreation in Detroit

bowler of the Architects League for the past two years, had a series of—468—on games of 158-159 and 151. Can it be that the duties of Secretary are weighing Bob down?



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Golf League Dinner Dance To Be Held Saturday, October 22nd

THE DETROIT ARCHITECTURAL GOLF LEAGUE will open the fall social season with its 9th Annual Dinner Dance on Saturday evening, October 22nd, at the Birmingham Country Club.

Cocktails will be served from 7:30 until 8:30 p.m. with dinner at 9:30 and dancing until 1:30 a.m. Richard Miller is entertainment chairman and will M.C. the event.

Mrs. Ray McDonnell, Mrs. Richard Mangrum, Mrs. Arthur Lewis and Mrs. Linn Smith are in charge of decorations.

Music will be by Dave Farley and his Orchestra, with soloist Shirley Bolt.

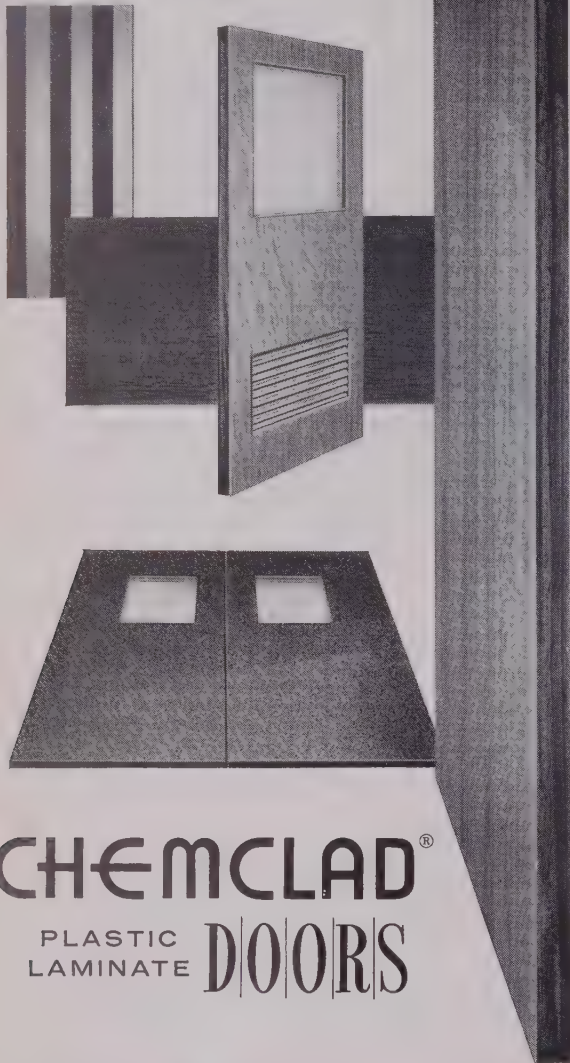
Charles Burrows is in charge of trophies which will be presented to the award winners by D.A.G.L. President Ray McDonnell.

Sam Ross is handling publicity and Carl Smith announces that there will be the same fabulous door prizes as in previous years.

Reservations are being taken by Gene Majka at WO. 1-2745.

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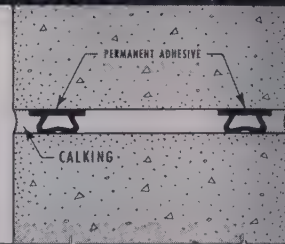
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RUBBER or VINYL SEALS and GASKETS

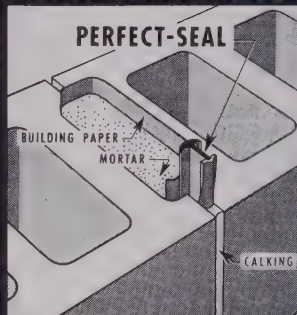
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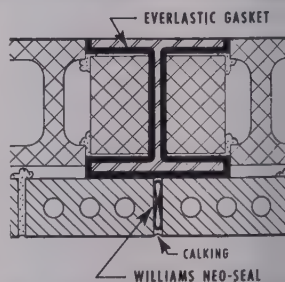
PERFECT-SEAL for CONTROL JOINTS



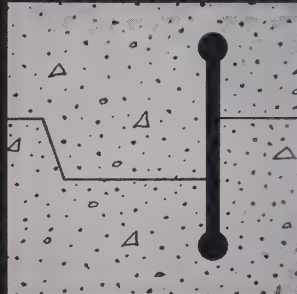
Williams "Perfect-Seal" (Pat. Pend.) is a specially designed seal for use in Mortar-Keyed Control Joints . . . provides continuous four-point pressure-contact sealing which keeps moisture out of joints and prevents air passage. The T-Section is a high grade rubber compound; the cross member at the base of the "T" is a strip of readily compressible, non-absorbent, expanded closed-cell Neoprene Rubber—it provides an effective pressure-contact seal directly behind the calking.

EVERLASTIC MASONRY GASKETS

Everlastic Masonry Gaskets are a readily compressible, nonabsorbent Elastomer which is impervious to water and inert to heat, cold and acids. In masonry joints, they permit linear expansion, and seal the joints against moisture penetration which causes frost damage. Everlastic Gaskets should be used between sill and coping stones, stone or prefab metal wall panels, and to isolate and cushion all steel or concrete columns to permit normal movement without damage to masonry walls.



RUBBER or VINYL WATERSTOPS



Williams Waterstops are made from Natural Rubber Stock and designed for maximum effectiveness in a type of cast-in-place construction joint. They will bend around corners and will not crack or tear from shrinkage action. Tensile Test: 3990 lbs., Elongation Test: 650%. Available in rolls up to 80 feet in length. Molded union and junction fittings available. Williams Waterstops can be furnished in Vinyl or Neoprene for industrial uses where resistance to oil or other injurious wastes is desirable.

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Have You Heard?



BY
EDNA
MORISON

Autumn is the season rising in triumphant beauty and courageous flame. Man, far from indulging in thoughts about the so-called melancholy season of fall, must in his spirit know how hopeful and marvelous is the plan and the purpose.

So it is with WALD and the stimulating program being presented for the 1960-1961 season. The season opened with a guided tour of the Cranbrook Science Museum at 2:00 P.M. This was preceded by luncheon at Devon Gables and our limited reservations of 35 made for interesting conversation on "Summer Vacations."

The program will continue on October 18, 1960 with a lecture "Prestige of a Paris Exhibition" by Professor Emil Weddige of the University of Michigan. This program, also, will be preceded by luncheon at the Woman's City Club of Detroit.

November 15, 1960, Dr. Welthy Fisher, founder of "Literacy Village" of India, will present "Puppets and Lanterns."

December 13, 1960 there will be a program of "Christmas Glamour" presented at the new Reynolds Aluminum Co. Building. Refreshments and tour of the building will follow the program.

January 18, 1961 is a "Joint venture"—a meeting with the Detroit Chapter.

February 21, 1960, "From Whence Comes our Culture" — Ancient Greece and the Holy Land. Shoshana Gershom, Attache in charge of Women's Affairs, Israeli Embassy, Washington, D. C., formerly in charge of Women's Army, will speak with emphasis on Architecture.

March is an open date but tentative plans are being made for an evening theatre party.

A spring tea is being scheduled for April 25, 1961. Showing of the House of Tomorrow, designed by Edward Stone, Furniture designed by Edward Wormsley for Dunbar, fabrics by Celanese, rooms decorated by famous decorators. Pictures and paintings will be loaned by Whitney Museum of Art (slides). There will be a dress length of fabric

as a door prize. Miss Georgeanne Francis, outstanding decorator of J. L. Hudson Co., and member of Board A.I.D. will present vignettes — "Spring Tonic for your home."

May 20, 1961 is our Annual Husband's Night—details to be announced.

The following is a list of the new officers and committee chairmen serving WALD for the coming season.

OFFICERS 1960-61

President, Mrs. Philip N. Youtz; Vice-President, Mrs. William H. Odell; Secretary, Mrs. Allan G. Agree, Treasurer, Mrs. Fred J. Schoettley; Historian, Mrs. Clair W. Ditchy; Parliamentarian, Mrs. Gustave Muth.

COMMITTEE CHAIRMEN

Convention, Mrs. Hurlless E. Banks; Asst., Mrs. Ralph W. Hammett.
Courtesy, Mrs. Gerald Diehl.
Invitations, Mrs. LaVern J. Nelsen.
Legislative, Mrs. William H. Odell.
Mid-Summer Conference, Mrs. Frederick J. B. Sevald; Asst. Mrs. Amedeo Leone.
May Party, Mrs. William H. Odell, Asst. Mrs. Ernest J. Dellar, Mrs. Walter B. Sanders.
Membership, Mrs. William M. Fernald, Ex Off. Mrs. Fred J. Schoettley.
Nominations, Mrs. Carl Scheufler.
Program, Mrs. Edwin F. Noth, Asst. Mrs. Herbert Johe.
Projects, Mrs. Fred J. Schoettley, Asst. Mrs. Suren Pilafian, Mrs. Fred W. Fuger.
Publicity, Mrs. James B. Morison, Asst. Mrs. John T. Hilberg.
Social, Mrs. Carlisle H. Wilson, Asst. Mrs. Hurlless E. Banks, Mrs. Augusto Bini, Mrs. Wm. Muschenheim.
Telephone, Mrs. George Diehl, Asst. Mrs.

Werner Guenther, Mrs. C. William Palmer, Mrs. Louis G. Redstone.

Yearbook, Mrs. Philip N. Youtz.

TRAVEL NOTES: To the annual Midsummer Conference went Mr. and Mrs. Fred Schoettley, Mr. and Mrs. Lavern J. Nelsen, Mr. and Mrs. Amedeo Leone, Mr. and Mrs. Frederick Sevald, Mr. and Mrs. Linn Smith, Mr. and Mrs. Walter B. Sanders, Professor Herbert W. Johe and Mrs. Johe, Dean Phillip N. Youtz and Mrs. Youtz. From Mackinac, Dean Youtz and Mrs. Youtz continued on to the "Soo" and then followed the Ottawa River route across Canada, ending up at Quebec on the St. Lawrence. Then on down to the "Berkshires" for three weeks at their "Old Homestead."

The Hurlless Banks treked off to Wisconsin, Mrs. Helen Morison to Long Island, N. Y. for a week, and Mrs. C. William Palmer went "Down East." Had a card from Professor Ralph W. Hammett and Mrs. Hammett who left Montreal on August 5th for a six months sabbatical in Europe. They were in Vienna on August 31, where they found the housing problem to be a real problem, but they were enjoying their visit with a private family. They'll be another month on the road before reaching Rome. Mrs. Jon Hebrard returned to Paris and the Joseph Leinwebers are still in Korea.

Please mark your calendars for the forth-coming events and join us in the interesting season. Any Questions? Please feel free to call anyone of the officers or committee chairmen.

The Jules Doneson Travel Agency announces the addition of Florence Agree to the staff in the capacity of travel consultant. Her duties will be the planning of travel itineraries, and obtaining transportation and accommodations for the agency's clientele, from the agency's office at 18246 Wyoming, Detroit, Michigan.

Mrs. Agree is well known in Detroit as the wife of the late Allan G. Agree, prominent Detroit architect, and for her activities in the women's Architectural League of Detroit. She has served that organization as vice president and convention chairman, and is currently the secretary.

A native Detroiter, Mrs. Agree was educated at Central High School, and attended Wayne State University. Mrs. Agree has been active in the United Foundation and many other charities.



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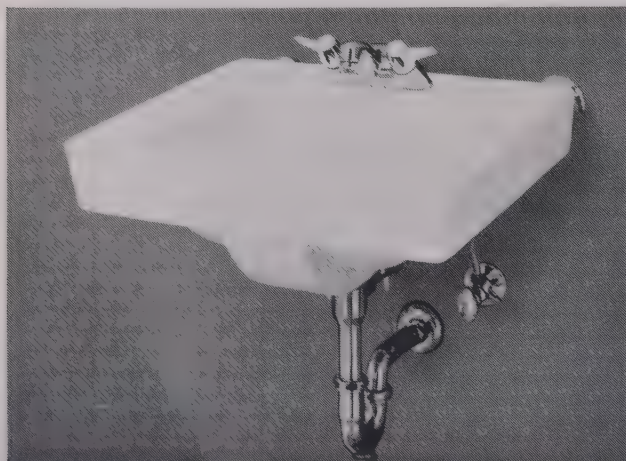
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Sultan Water Closet, another of the sculptured Briggs designs, is wall hung with elongated closet bowl. In six compatible colors, or white, the Sultan features the fine construction and dependable operation which make Briggs the favorite of plumbers and builders throughout the nation.



Tradition, Style and Fashion

By Jan Reiner, Architect

In considering taste in architecture, one has to be aware of three concepts of architecture—all of which coexist at the same time, sometimes in the same building. Though differing as to their origins, to an untrained observer, these three concepts may seem interchangeable, if not alike. I am referring to the concepts of tradition, style and fashion.

Tradition is the sum of creative and technical activities of one or more generations working in a particular locality at a particular time period. Tradition produces a pleasing visual similarity among buildings, apparel, and the arts and crafts. It makes for a satisfying visual environment, because things seem to belong together—there are no visual intruders: Thus we speak of the Gothic tradition of Western Europe of the 13th century, meaning that marked family resemblance in design of buildings, furniture and costumes. Similarly, we speak of the tradition of the New England villages of the 18th century, meaning that harmonious visual environment attuned to a particular way of living in a four season climate.

A style may last a long time and extend over a large territory. The Opera buildings of the late 19th century come to mind, because these buildings look alike, whether they stand in Paris, Moscow or Tokyo. Styles began to be codified when in 15th Century Italy humanist philosophers and artists tried to reconstruct, at least on paper, the ruins of ancient monuments, believing that the classical style held the key to everlasting beauty through certain proportions, measurements and ornaments. Since the printing press had just been invented, they put their findings into books which received wide circulation and acceptance among educated people up to the present time. Unfortunately, their supposition about lasting beauty did not prove a four-season climate. The most important thing about tradition is the absence of arbitrary rules: the only rule which counts in the long run is common sense, as the people of that day saw it. And, as their common sense changed (that is, developed), tradition in the arts and crafts changed with it. Since in the past common sense changed extremely slowly, tradition may give the impression of being static, though it is not, of course.

Like a society, tradition, however, does not have its life cycle ranging from infancy to decay. Decay occurs when tradition loses its common sense, that is, its vitality and actuality, and becomes a static trademark. At that point it freezes into a set of rules called a style.

* * *

A style is a set of esthetic rules, sometimes only simple recommendations, at other times complex geometric schemes, which are codified in textbooks. While tradition has its grass roots among the common people, a style stems from an intellectual or power elite. At once we think of the very personal style of Louis XIV valid. No artificial style has ever produced lasting results; in fact, it produces intellectual stagnation. Just as a tradition may freeze itself into a style, so a style may degenerate into a fashion.

* * *

Unlike style, **fashion** always has a commercial motivation. Art is merely a useful adjunct—a vehicle selling a bill of goods. A rapid turn-over of a commodity is the purpose of constantly changing fashions. The "latest fashion" is a standard phrase in many businesses, including those producing apparel, automobiles and furniture. Conspicuous consumption and built-in obsolescence are the fertile grounds from which fashion design grows. While in some businesses, like the apparel field, fashion may stimulate a refreshing change and usher in a new mood, it is plain that in architecture, fashion serves little or no purpose. If one considers that the majority of homes now built are financed by long-term mortgages, it behooves a prospective debtor (as well the mortgagor) to seek a house design which is not going to look outdated the next season, and then become unsaleable the season after that.

How do we know what is good design? Only through gaining an overall perspective about the creative arts and architectural design in particular, which allows us to see the relationship between the building needs, building technology, and the building site, unhampered by our misconceptions of taste, tradition, style and fashion.

John T. Hilberg, AIA, a member of the Detroit Chapter, American Institute of Architects, has become employed by the Veterans Administration in Washington, D. C.

Hilberg graduated from Pennsylvania State College with the degree of bachelor of science in architecture. He had been employed by various Detroit-area architects, more recently with the H. E. Beyster Associates, Inc.

Architect William P. Lindhout, AIA has moved his offices from 33020 Five Mile Road in Livonia to 15420 Farmington Road in the same city. The telephone number remains the same — GARfield 1-4652.

This is the new Coventry Center Building, operated by Professional Suites, Inc. It contains three MD's, two attorneys, the Brighton X-Ray Clinic, and the Coventry Center Medical Laboratory, besides Lindhout's architectural office.

Lindhout, a native of Grand Rapids, is the son of the late Pierre Lindhout, AIA, of that city. He graduated from the College of Architecture & Design, University of Michigan in 1950, was employed in architectural offices in Grand Rapids, and with Leo M. Bauer, AIA, of Detroit.

He established his office in Livonia in early 1957.

The College of Architecture and Design, University of Michigan announces the appointment of Joseph F. Savin as assistant professor of architecture, Bruce E. Erickson and Martin D. Gehner as instructors in architecture.

Savin graduated from the College in 1953, has worked for Henry J. Abrams, AIA, and Isaac Green, AIA both of Fennell and Eero Saarinen & Associates, Birmingham, Mich.

Erickson graduated from the University of Minnesota and holds a master's degree in architecture from Massachusetts Institute of Technology. He had been a draftsman and designer with A. Moorman & Co., of Minneapolis.

Gehner graduated from the University of Michigan in 1956, was a draftsman and designer with Paul A. Hazelton, AIA of Traverse City, an instructor in architecture at Ferris Institute, Big Rapids, Mich.

UNIVERSITY OF DETROIT STUDENT CHAPTER, AIA held its welcoming party for new freshmen on September 14, when James Giachino, President of the Chapter, welcomed the new students and Father L. J. Green introduced the faculty. Professor George P. Head showed slides of new architecture he had seen on his recent trip east. Refreshments were served after the program.

John H. Begrow, of Begrow & Brown, Architects, of Birmingham, gave the first of series of monthly talks at the University's Student Chapter, September 20. His collection of slides included work of his own firm as well as some of the better work being done in Florida. The next address will be given by photographer Baltazar Korab on October 18.

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Letters From an American On a Visit to Hawaii



Bulletin:

Now I know how it feels to be a minority. Out here the white people are rare except for the tourists. I went to Sears to shop. Nearly everyone there was Oriental, but everywhere the American influence was there. I went into an exclusive Japanese shop to look for pearls. An Otis elevator carried me upstairs. The girl used a script pencil made in U.S.A. She packaged the purchase and Scotch tape was used. The cash register was made by National. So it is, wherever you go, the force of America shows itself.

Yesterday, we visited a sugar plantation. Thousands of acres are involved. By mechanization they have reduced employees from 4,000 to about 700 with no reduction in production. Average wages \$1.87 per hour, with fringe benefits quite high. We spent over two hours in the refinery, from raw material to sugar. I'll have a much higher respect for a cube of sugar from now on. Millions of dollars in equipment are brought into action to make it possible for the people to have a cube of sugar at a price per pound that is very low. Word out here is that with the Cuban situation, now is the time to purchase sugar stock.

The other day, Admiral Hall furnished us his barge (Navy parlance for an elegant yacht) and Captain Martin, former Commander of Grosse Ile Air Station, gave us a personal tour of the Pearl Harbor Navy Installation. The deed that will "live in infamy" was all but forgotten. The hull of the Arizona was partially visible above the clear waters of Pearl Harbor. All hands were lost on this once proud fortress of the sea. As I watched the hull, I noticed air bubbles coming up from below. Yes the spirit of those who gave their all showed itself in an overt manner.

Yet, how different is the world for which they made this supreme sacrifice. Then the Japanese were an enemy, feared and powerful. Their navy roved the Pacific at will. Their people were herded into concentration camps, their property confiscated. Today, they are our friends, our allies, yes, they are American citizens. But the caste system is even more in vogue here than in the United States. Captain Martin has three gardeners, one Japanese, one Hawaiian, one Filipino. In civil service the Japanese is the boss but the others would lose face if they allowed a Jap to be the boss, so the gardening does not get done.

One of the supreme achievements of the Hawaiian is to compress the alphabet into a very few letters. Nearly all the letters used are vowels and many times two are used at once. The kids here really get a break, less than one half the alphabet is used.

And so it is in the 50th State of the Union, where the proud Teuton, Briton and Celt find themselves the minority and change on top of change shows itself. This is no longer the road to Mandalay,

but the flying fishes still play, and dawn comes up like thunder across the Bay. That we have reached the maturity to accept these people of Oriental backgrounds as Americans, proves this country of ours has come a long way.

Bulletin:

From the highest peak, which commands the city of Honolulu and Pearl Harbor, I am writing these impressions. From the summit of Mount Konahuanui, the great arc of the horizon gives one an impression of just how big this old earth is and, from any and every view, one sees just how beautiful the earth can dress itself. Diamond Head, an extinct volcano is in the distance with its sheer cliff defying a restless sea. As the surf rises to escape the shallow coral, the waves break over, flash in the sun and are swallowed up by the sea from which it came.

As the ocean approaches its garlanded island, the deep blue, tinted by the coral fades to a light pastel shade. Nestled into the side of the mountain, the homes, the flowers and trees all seem to have been planted in the exact spot to make the mosaic one of incomparable charm.

Yes, before me lies Pearl Harbor. One look at it and immediately one sees that this harbor named for the jewel it is should never have been a fortress. Today it was all but asleep. Gone were the mighty battle ships, the destruction of which brought the "Day of Infamy" in our history. Gone was the Fighting Lady Aircraft Carrier, the planes of which really recaptured the Pacific. Gone were all our cruisers. Here and there a destroyer was to be seen. Changing times have done things for our fleet that no enemy has ever succeeded in doing.

Looking down upon this dramatic fortress stripped of all its tools of destruction, I was reminded that time runs against almost everything. It has run against the Egyptians, but not against the pyramid. The miracle of having persisted, almost without change for 6000 years, is its one claim to achievement. The moving finger has run against the Greeks and their language but not against Homer. The hour glass has run out for the Romans, but not against their Road. And here at Pearl Harbor, the jewel of a harbor has turned back to the continent from which it came, the greatest assembly of fighting ships ever produced. Every one of our battleships, most of our cruisers and destroyers are laid up in moth balls, out of commission. Only the aircraft carriers and the submarine continue to offer utility in the world of the guided missile. Even these are undergoing so much change that none of those that saw service in the war are of value.

From the highest peak of Mount Konahuanui, I look down upon most of the homes of the 50th State of the Union. The damp, cool winds of a trackless ocean cut

to the bone. The clouds at times are about me and below me. Looking out upon the homes, I am reminded that here I am a minority race. Here are people with a cultured background completely foreign to my nature. The sea stretches in every direction and up here I feel as if I am sitting on top of the world. The canopy of heaven with its summit directly overhead, confirms this impression.

Slowly the afternoon sun sinks beyond the horizon of the Pacific Ocean. Out here, the dawn comes up like thunder and darkness comes down like lightning. Presently distant worlds come twinkling into view.

How vast is this world, how infinite space extends in every direction. How far away is the Evening Star? What is its size, in what direction is it tiding? What are the materials that give it substance? All of this and more does the mind of man envision.

And yet, how vulnerable is he to the process of change. How earnestly has man sought and how certainly has he failed to think his way into the secrets of the universe, except that love alone is immortal.

Bulletin:

As you begin to drive around this Island of Hawaii, one is reminded by the great variety of orchids growing wild and being cultivated that this is Orchid Island. Approaching it from Oahu, it is plainly much larger than the others, in fact, it is larger than all the others put together. In lush sugar cane, and forest, cattleland, desert and volcanic rock, all in all there are over 4,000 square miles of area.

More than anything else, it is the Volcanic Island. Five great volcanoes have played their parts in the scene of the greatest building program of nature. Pele, the Polynesian Goddess of Volcanoes, started her building process only a few million years ago, since this is the youngest of the eight islands forming this archipelago.

The greatest of all volcanic results is Mauna Loa which rises from the bottom of the sea 18,600 to seal level, and still another 13,784 above the sea. This results in the greatest mountain mass on earth. In 1950, after having been inactive for a considerable spell, it erupted for 24 days, producing the largest lava flow in historic times. In its mad flow to the ocean, much valuable land, homes, yes, even a United States postoffice was destroyed.

We have spent two days visiting the volcano Kilauea, which has craters scattered over some 30 miles of area. All this is in the foothills of Mauna Loa. We looked down into the crater of Kilauea Dunimao. Until 1959 the floor was 640 feet below us and one mile wide. In one day the floor dropped 350 feet. The world famous seismograph operation, with its instruments located in plain view of all this had the story. Away down in the

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depths of the earth, earthquakes were taking place. They were able to predict almost the exact spot where the eruption would take place. Yesterday, we walked out on the black basalt lava of this eruption. Steam is still pouring out of the cone holes of this phenomena. As the hot lava cooled, it left all the forms and shapes that one finds in making bread.

Kilauea Iki is the location of the latest crater activity which took place in February 1960. This activity produced mostly fly ash, so light in weight that it will float on water. Here all the roads were covered, but much of it has been cleared. This kind of flow makes the finest of land almost immediately. A plank path led through a forest of Ohia, one of the mahoganies of this area. Many of the trees are still alive, even though they were half buried in the residue. The size of this ash varied from the size of a pea to half as big as an apple, but very fragile, and largely black in color. On the boardwalks were signs "danger, keep on walk." Jim, Joe Scott, Jean and I decided we would like to climb the great hill of ash and look down in the cone of the crater. As we approached the top, the heat from below became evident and finally warm to the touch. Then great cracks produced by the contraction of the materials as they cooled began to show. At first, these cracks were only a foot wide and about the same depth. But presently there were huge cracks that I could see down into at least 20 feet. By this time we were perhaps 100 feet from the cone, and here the heat was much more perceptible. One could see the monkeys dancing. As challenging as was this opportunity to look down into the cone of Kilauea Iki, we lost our nerve and retreated to the boardwalk. The crown of this crater is covered with a much lighter material, some yellow like sulphur and grey similar to limestone.

Hilo is the principal city and it was all but destroyed by a 40 foot tidal wave only a few months ago. One whole street about 15 feet above the sea is all but swept clean. Only buildings of steel or reinforced concrete could stand this shock. In today's paper the electric utility has received the largest government loan ever issued, over 2 million dollars, to put its plants in order. A disaster relief office has been opened here. The total destruction runs into 60 million dollars according to local estimates.

Perhaps our most exciting experience was yesterday after 6:00 p.m. We saw a sign that indicated that footprints left by natives in the lava mud had hardened and were to be seen one mile away. The path was one of utter desolation. Here was frozen Niagara coming as far as one could see in every direction. Even here, vegetation showed itself. Oh, to have the faith, courage, patience of a desert tree. Here and there, perhaps on an average of 20 feet apart, some kind of tree or shrub was growing. The trees were mostly Ohia. Nearly as often were the skeletons of a dead tree. Bear in mind that on solid rock, even with a good rainfall the runoff is immediate, and the body and roots of a tree do not rot at all but take on the faded appearance of a telephone pole. The footprint of a native was enshrined in a glass protector and satisfied me that it was the real thing. This area was a result of a lava flow in

1786. A careful examination of the rock which, in wide areas, was a continuous pavement waving up and down not unlike a troubled sea, revealed splits and cracks. The hot lava always pushes up through a funnel-like area, around which other lava has cooled and hardened. The force pushing up throws the lava hundreds of feet into the air. As the lava flows, it also cools, and presently is just the right temperature to shape itself into the most unimaginable of expressions. When I looked at the blood vessel standing out in the statue of Moses by Michelangelo, I could appreciate why he struck it and said "Speak to me," but here was a mosaic of variety that defies expression. Yet the finish and detail was expressed with clarity.

Then we came to a huge area that had all the appearance of the curtain of a stage. And so it was. Here were all the folds and pleats of a stage curtain that, having nothing on earth on which to present its beauty, has turned itself to High Heaven. High overhead a billowing cloud floated. Here in a gnarled tree at the edge, a pair of birds were busy fulfilling the task of feeding their young. On these bushes was a small red berry which seemed to be a favorite for their red hulls were scattered all over, some of which led to crevices, no doubt the home of one of earth's creatures.

While I was lost in the presence of this stage, captured in solid basalt, the boys took another path marked by piles of stone along the way, and proceeded out of view. By this time we had an hour of daylight left. I looked for the highest of the great piles of lava that seemed to be a part of a pattern so regularly did they occur, and from the top of it I could see in all directions for miles. There they were, Jean in blue, Joe in red, Jay Scott in white, Jim in a wild pink, in the distance. They were moving toward the rim of the crater, Halemaumau. They were far enough away so that the color of their dress was their only distinguishing feature. Now all my life I have been heard. Would my voice carry to them and get them to turn around? I let out a yell and listened. Presently, the echo of my voice was heard and Jim, who had heard me, turned around and started back. Joe, who has more curiosity about everything, was determined to see the footprint and persuaded Jay and Jean to continue. I kept up my calling and presently they started back. They had missed the turnoff to the shelter that protects the footprints, so when they reached me I pointed out where the house was and they went over to it. In the meantime, Jim did not come back to me and I did not know whether he had got on the wrong path or not, so Ivabell went back to the car to blow the horn if Jim was not there. By this time the sun was slowly setting behind the beautiful slopes of Mauna Loa. In this area, nightfall comes up like thunder, and we were one mile from the car. As we came closer, I kept listening for the horn. That there was so sound meant that Jim was around.

When we arrived at our car, there were smiles all around. Distances out here are deceptive. The boys thought that the rim of the volcano was a short distance away. It turned out to be over 10 miles and they had gone a good part of this distance before I started calling. Ivabell was so con-

cerned that while I was calling she was following the trail in their direction. When everybody was safely seated in the car, the very first thing that happened, off came every shoe. Ivabell's feet were raw on the bottom. Blisters were on every foot. As I write this the following morning, there was not a stir in the party until after 9:00 a.m. Joe suggested that we make this a day of nothing in particular, to give our feet a chance to recuperate.

All in all, this was a day of high adventure, about which I am sure my great, great grand children will hear.

Bulletin:

In the 2,000-mile trip from San Francisco to Honolulu, there is little to see except sky and water. Occasionally flying fish would add some interest, and on 3 occasions I saw a pair of white birds, as swift as the dove and so graceful they could sail by the hour without any apparent effort. As soon as fish or squid rewarded their efforts, they would come down in full flight and their sharp pointed bills would just touch the water.

While standing on the rim of the Volcano Kilauea looking into the pit 3000 feet in diameter and 750 feet below me, I saw a pair of these same birds again. They came from the sea 20 miles away and alighted on this rugged rock rimmed ledge. So this was the Koa, or the Bos'un because its call is so similar to that used aboard ship. But most appropriate of all its name, is the Crater Bird. The scientist in recognition of its unusual adaptiveness named it Phaeton Lepturus after the Son of Appollo who was cast out of the chariot of the Sun into the sea. How very appropriate.

The floor of this most active of volcanoes was 750 feet below me, billowing steam from the center and from around the edges. In February of 1960, this floor dropped about 300 feet, and in a short time the floor returned to almost the same height it was before. Here was nature's own hydraulic elevator larger than any single building on earth, working with the precision and leveling devices of an Otis. It was while I was trying to contain my amazement at this awesome phenomena that I saw the birds.

With all the smoke and fire and barren nature of this pit of Hell itself, this was the nesting place and its only nesting place on earth. To the Crater Bird, danger, distance, direction were native to its blood. The world is in fact its oyster, but here on the hinge of Hades was its incubator. The question immediately presents itself. With the shore of every continent on earth to choose from why of all places was this volcano chosen.

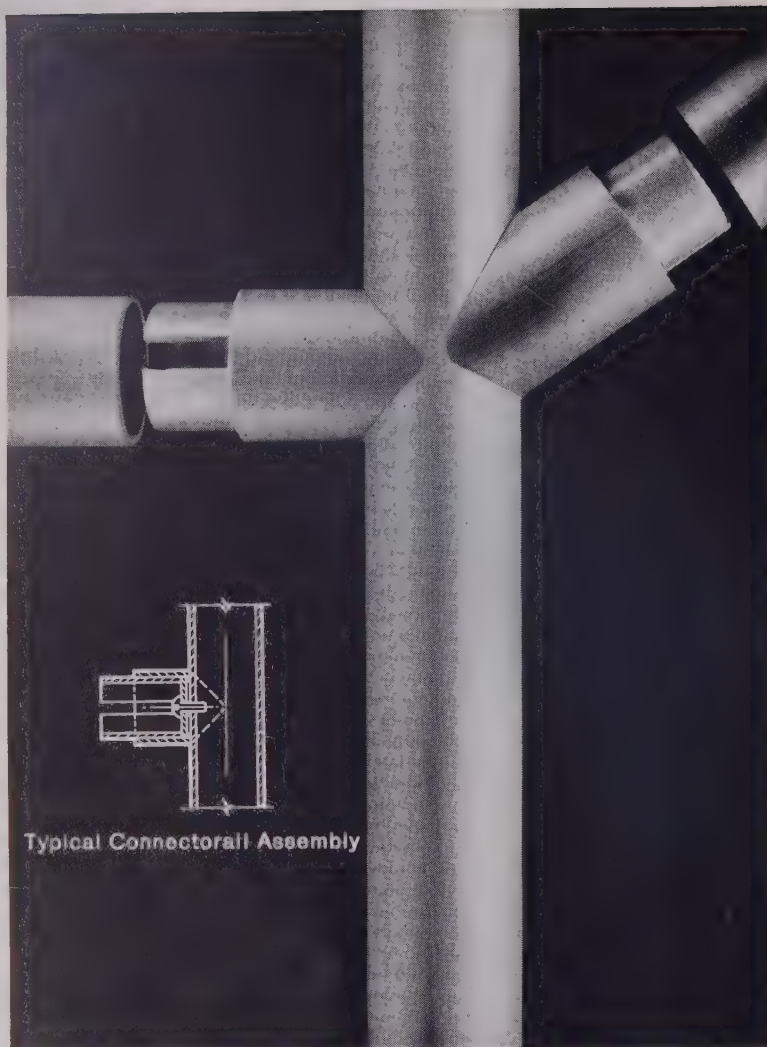
At the same time I could see a dramatic contrast. What with the destructive power of the atomic bomb, and with it poised and ready to pinpoint any chosen spot on earth with certain destruction, people everywhere have the feeling that they are sitting on a volcano. Yet here was a pair of God's creatures nesting on one.

Bomb or no bomb, crater active or not, being alive is still the most precious of all prospects, and if this bird can nest in a volcano, the human race can somehow sit on one.

C. ALLEN HARLAN

MSA

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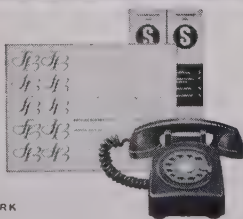
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ALFRED J. PETRILLI, of Detroit and Edward Colbert, Jr., AIA, of McComb, Mississippi (as a team), were awarded the \$10,000 Grand Prize in the Second Annual Architects Competition conducted by the Mastic Tile Division of The Ruberoid Company. The problem was "Education for Youth and Adults, and Recreation for all the Family."

John V. Sheoris, chief designer for Harley, Ellington & Day, Inc., Architects and Engineers, of Detroit, received a \$500 Merit Award, as did Peter Tarapata and Charles H. MacMahon, of Bloomfield Hills, Mich.

Petrilli, a graduate of Lawrence Institute of Technology with a master's degree from Cranbrook Academy of Art, is now employed by the office of Minoru Yamasaki & Associates, of Birmingham, Michigan.

Sheoris, formerly of New York City, earned both his bachelor's and master's degrees from Yale University. He became HE&D's chief designer in mid 1959. He is registered as an architect in New York state and by the National Council of Architectural Registration Boards. He is a member of The American Institute of Architects, its Detroit Chapter and the Michigan Society of Architects.

The firm of Tarapata & MacMahon, of 1519 Woodward Avenue, Bloomfield Hills, Mich., is well known in the area. Both have been active in the Detroit Chapter, AIA and the Michigan Society of Architects. Tarapata as a member of the Executive Committee of the Chapter, MacMahon as a member of the Board of the Society.

ARTHUR O. MORAN, JR., AIA has been appointed chairman of the Michigan Society of Architects' annual convention committee for 1961, it is announced by Charles A. OBryon, of Grand Rapids, Society President.

Moran was vice chairman of the 1960 MSA convention under chairman LaVern J. Nelsen. He was educated at Miami University, Oxford, Ohio and at Detroit Institute of Technology. He is now with Giffels & Rossetti, Inc., Architects and Engineers, of Detroit.

The 1961 convention will be held at Detroit's Sheraton-Cadillac hotel April 5, 6 and 7.



REVOLUTIONARY IDEAS for the 1961 A.I.A. Convention in Philadelphia are plotted by members of the Host Chapter Steering Committee, left to right: Charles E. Peterson, Harry W. Peschel (back to camera), Herbert H. Swinburne, and chairman Beryl Price. Independence Hall, Convention symbol, is the background. Paul Harbeson was vacationing when his Committee colleagues met to plot the overthrow of previous attendance records and rehearse a tour of Colonial Philadelphia that will open the Convention next April 23rd. Among the week's other Host Chapter "spectaculars": a command performance of the Philadelphia Orchestra.

NATIONAL GUILD OF MURAL ARTISTS has been formed to help architects, interior designers and art directors locate painters of murals, it is announced by Anthony R. Moody, chairman of the committee on Allied Arts of the Detroit Chapter, American Institute of Architects.

The organization will maintain a registry of professional artists who do painted or ceramic murals, portraits, display design, tapestry, stained glass windows, bas relief murals and sculpture, Moody states.

The executive director is Elliot M. Tiber, with offices at 43 E. 22nd Street, New York City.

RICHARD C. DONKEROVET, AIA, has transferred his membership in The American Institute of Architects from the Detroit Chapter to the Baltimore Chapter.

Donkervet was formerly employed by James B. Morison, AIA, Architects, of Detroit.

BULLETIN:

Sometime ago the State Fire Marshall wrote a letter to all architects in the state of Michigan, calling attention to a portion of the "Fire Prevention Section—School Bulletin 412," effective October 1, 1959, which has to do with the types of acoustical tiles allowed in school construction. The section referred to is B.1 and is found on page 12 of the bulletin. It reads:

B.1 Ceilings

- (a) Ceilings in multi-story buildings shall be Class A finish in all areas.
- (b) Ceilings in one story buildings shall be Class A or Class B finish in corridors and exitways and rooms exceeding 200 persons capacity. In all other occupied rooms, ceilings may have Class C finish which may be applied directly to wood decks if desired and provided such rooms have partition construction, except doors, of at least 3/4 hour fire rating separating them from the corridors.

Enclosed is a reprint of a letter received from the State Fire Marshall's Office, advising that Acoustone "F", manufactured by United States Gypsum Company, is a "Class A" material.

Should your next school require Class A ceilings, you can be sure of securing the proper material if your specifications call for Acoustone "F" by the United States Gypsum Company. — UNITED STATES GYPSUM COMPANY, Norman P. Sanborn, Sales Engineer, Great Lakes Industrial Sales District

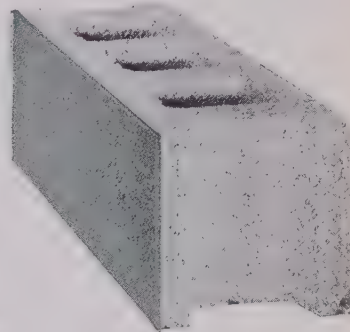
CHARLES AND RAY EAMES, well-known American designers, have received the first \$20,000 Kaufmann International Design Award, it was announced today by Kenneth Holland, President of the Institute of International Education, which administers the Award. An international jury met in Lugano, Switzerland recently to make the selection from a panel of distinguished candidates submitted by consultants from all parts of the world. The Award, the largest and most comprehensive ever offered in the field of design, was presented to Mr. Eames and his wife for their "outstanding record of achievement in the practice of design."

ROBERT F. HASTINGS, president of the Detroit Chapter, American Institute of Architects has been named to the nominating committee of the Institute to prepare a slate of officers to be voted upon at the Institute's convention at Philadelphia, Pa., April 23-28, 1961.

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EDWARD R. DUFFIELD, AIA, of Niles, Michigan, has been named a member of the newly established Lake Michigan Regional Planning Commission. The Region consists of Western Michigan, Indiana, Illinois and Wisconsin.

Paul Frank Jernegan of Indiana is Chairman; Duffield is Vice Chairman and S. Chan Sit of Chicago is Secretary.

An advisory council has been appointed consisting of Ira Bach, Chicago's planning commissioner; Paul Opperman, Northeastern Illinois Metropolitan Area Commission; Robert Huff, Director of Planning, South Bend, and William Jones, Director of Planning, Fort Wayne.

Chairman Jernegan states the group was formed because of the growing awareness of the inadequacy of so much planning by individual communities, and the advisability of having architects take the lead in sponsoring more practical regional planning. Duffield, a graduate of the University of Michigan College of Architecture and Design, is a member of the Western Michigan Chapter, AIA and the Michigan Society of Architects.

PETER P. PETCOFF has been named an associate of Smith, Hinchman and Grylls Associates, Inc., Detroit architectural and engineering concern, it is announced by Robert F. Hastings, executive vice president.

Petcoff joined the Detroit firm in 1948, coming from Sargent and Lundy, Inc., Chicago engineering firm. He was chief structural engineer for the General Motors Technical Center, and has been head of the structural and civil engineering department of SHG since 1959.

The new associate holds the degree of BSCE from the University of Michigan and the degree of MSCE from the University of Illinois. He is a member of the National Society of Professional Engineers and the American Society of Civil Engineers.

JOHN A. ALLEN, AIA, of Farmington, Mich., has been named chairman of the draftsmen's competition in connection with the Michigan Society of Architects annual convention at Detroit's Sheraton-Cadillac hotel April 5, 6 and 7, it is announced by Arthur O. Moran, general chairman of the convention committee.

The competition last year, with liberal cash prizes, was most successful and this year's committee expect to do even better.

JOSEPH CYR, AIA, of Dearborn, Mich., was honored by having a three-page feature of one of his houses in *Better Homes and Gardens* September, 1960 issue.

The feature, in full color, states: "Heart of this home is the big family room. Just off the kitchen, it can be used for dining and informal activities all through the day and evening. Airy room divider . . . is optional . . . You might prefer the family room completely open . . . or partitioned."

ROBERT W. YOKOM, AIA, vice president of George D. Mason & Co., Architects, has been named vice chairman of the Michigan Society of Architects 47th annual convention committee, it is announced by C. A. O'Bryon, Society president.

Yokom will work with Arthur O. Moran, AIA, of Giffels & Rossetti, Architects, chairman. Moran has announced that the convention has been scheduled at Detroit's Sheraton-Cadillac hotel, April 5, 6 and 7, 1961.

THE OFFICES OF MERRITT & COLE ARCHITECTS, has been moved to 20950 Grand River Avenue, Detroit 19, Mich. The new telephone number is KENwood 5-1480.

The firm's offices were formerly at 7376 Grand River Avenue, in Detroit.

THE AGE OF THE ARCHITECT

An article prepared by The AIA for the use of its chapters

An important part of your future is being shaped right now by a man you probably don't even know.

Sitting over a drafting board in his office near you, he embodies a unique combination of talents. Part artist, part engineer, professional counselor, and businessman, he is the architect—the man who is re-shaping America on a scale never before undertaken in this or any other nation's history.

In every era of American history, one profession has tended to dominate the course of public life. When the Pilgrims landed, it was the ministry which gave the early settlers the spiritual strength and courage they needed to conquer nature, disease, and hostile natives. Later, when the settlements grew into colonies, the lawyers established the political and judicial structure through which our nation took form. Still later, it was the financier who developed the nation's industry, transportation, and far-flung communications systems.

Today, in mid-twentieth-century America, a clear case can be made that we have moved into the age of the architect. Consider these facts: Construction is the biggest industry in the country today — bigger than farming, bigger than automobile production, bigger, even, than defense. Last year, it topped \$50 billion. Within the next decade, we are expected to spend the staggering sum of \$600 billion on construction — more than the worth of all the existing buildings in the nation. And, within the next 40 years, economists predict conservatively that we will have to duplicate every building in the United States — in effect, build a second America — to house a popula-

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tion which will nearly double in that time.

The architect is the leader of America's building team. In the language of the dictionary, he is the "master builder," the man who "forms plans and designs . . . draws up specifications for buildings" and supervises their construction. The architect's responsibility is to see to it that we live, work, play, and worship in a well-planned, satisfying, and productive physical framework. The basic principles of architecture have remained unchanged since antiquity. But the ways of building, the needs of modern life, and the scale on which building must be planned have changed to a degree which has vastly broadened the architect's practice and the knowledge which he must assimilate to create architecture.

Perhaps the simplest description of architecture is that it is the professional use of space. More accurately, it is the design of various kinds of spaces. For example, the arrangement of spaces inside a well-designed house keeps children from running across the living spaces of adults. Noisy living spaces are separated from quiet sleeping spaces. In a school, well-planned spaces provide the best education for the tax dollar. The spaces inside a good business aid production efficiency by keeping the product or key document moving in a straight work-flow line.

Architecture is also the design of outside spaces; the way a house is situated on a lot to let in light without unwanted heat and glare, and provide privacy from the neighbors. It is also the way these spaces are related to each other to form a neighborhood and the way neighborhoods are related to each other to form a community.* The spaces between spaces are important, too; good planning enhances property values by providing an easy link between the house and store without jamming them together to the detriment of both. Pulling them too far apart, of course, is just as bad.

The planning of spaces and their relationship to each other is the social purpose of architecture, the meaning of the word "function" in design. The way the spaces are enclosed and supported is the engineering part of architecture, the provision of structure. To meet the third qualification for architecture, the space arrangements and enclosure should produce the effect we call beauty.

These criteria directly parallel the definition of architecture given nearly 2,000 years ago by the ancient Roman, Vitruvius. His words, as paraphrased in about 1600 by an Englishman, Sir Henry Wotton, were: "Well building hath three conditions — commodity, firmness, and delight." The fundamentals are unchanged

—function (commodity), structure (firmness), and beauty (delight).

But the scale on which the architect must think and plan has changed greatly. In pioneer America the rush westward and the handiwork of the semi-skilled carpenter created a psychology of expediency in building from which we are just beginning to recover. Today, as a spokesman for The American Institute of Architects put it: "We are just beginning to dig our way, literally, out of fumbles of bad buildings imitating past European cultures, to clear jerry-built slum neighborhoods, and to rearrange gridiron roadway systems originally planned as if the movement of cars, and not the needs of people, was the important consideration in planning."

Another hangover, the dangers of which are just beginning to win public recognition, architects say, is the practice of allotting vast tracts of good land to be bulldozed flat and plastered with endless rows poorly designed, tiny suburban houses. To erase the scars of the past, reclaim valuable land from the dwindling supply, and build properly for the future will require large-scale planning on an integrated community scale, according to the architects. In hundreds of communities across the nation, this is being done today.

Today, then, architecture is no longer

just a single building, but complexes of buildings, designs of neighborhoods,, and the planning and redevelopment of whole communities. The nature of the client, too, has changed. Where once it was traditionally a single person, today it is often a board, as with a school or corporation; a committee, as in a church; or even a syndicate, which might involve a combination of developer, banker, or group of investors.

What kind of man is it who is qualified to meet this big design challenge and how many of him are available to do the job? To answer the second question first, there are approximately 11,000 architectural firms practicing in the nation today. In size, they range from one or two persons to hundreds, and an office may include planners, designers, production experts, specification writers, draftsmen, job captains, inspectors, and others. In addition, architects hire as employees or engage as consultants many technical specialists — such as structural, mechanical and electrical engineers — who are paid from architectural fees. The architect's fee, it should be added, comes only from his client, the building owner. He is not permitted by the ethics of practice to accept any compensation from the sale or use of building materials or services.

(To be continued in next issue.)

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BELOW: ZONOLITE plaster is used on ceilings in Detroit's new Cobo Hall Exhibit Building. Area equals several football fields. Arch.: Giffels & Rossetti; Gen. Contr.: O. W. Burke Co.; Plastering Contractor: Berti Plastering Company.

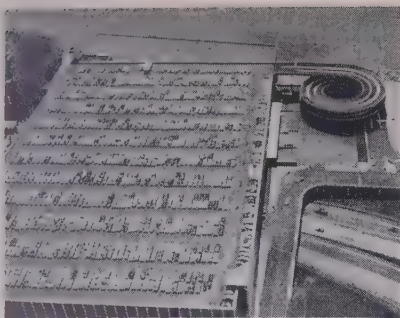
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Dr. Wilford L. White, Director, Office of Management and Research Assistance, Small Business Administration, Washington, D. C.

Modern Times Call for Modern Management

NEARLY 200 PEOPLE were in attendance at the Veterans Memorial Building Thursday evening, September 8th to hear an address by Dr. Wilford L. White of Washington, D. C. Dr. White is Director, Office of Management and Research Assistance, Small Business Administration. His talk was titled "Modern Times Call For Modern Management."

This occasion was the third in a series of industry meetings, sponsored by the Education Committee of the Exchange, designed to ferret out and improve some of the problems of the construction industry. It is felt that by exposing and discussing possible shortcomings or misapprehensions on the part of management, industry executives may be incited to take personal inventory. One possible solution, at least in part, may be obtained through education; and several

courses have been developed at Wayne State University for top level management in the construction industry. These courses were referred to during the evening's program.

Dr. White explained that there are five qualifications of a successful business. First, he said, any business, large or small, exists because the product it produces meets the need of the consuming public. Second, the product or services must be available to the public when the public wants it. Third, it must have experienced workers, qualified to produce a product of the quality desired by the buyer. Fourth, to be a successful business means that it must be a profitable business for its owner. And, finally, it must be headed by a person who has management "know-how" or is capable of securing it rapidly. This "know-how" can be attained intuitively, by experience, or by observing others who have it. But the quickest way to acquire management "know-how" is by training.

Dr. White stated that the owner of a business is its greatest asset, having not only put all the other elements together but also having selected those elements.

The owner is also the greatest liability of a business, he said, and likened him to a balance sheet. There are certain assets on one side of the ledger sheet and certain liabilities on the other. In adding them up, there is either an excess of assets or liabilities; the proprietorship account is determined by the relative number and importance of each. He quoted Dun & Bradstreet who stated that owners of businesses which failed fell into three broad groups: (1) Those who did not have the capacity to manage a business profitably; (2) Those with insufficient experience, and (3) Those with unbalanced experience.

There is not much that need be said, he continued, about the man who does not have the capacity to manage his own business. There are probably other vocations that he can follow with success. About the second group he explained that, in the past, conditions moved slowly and changed so little, that by the time a major decision had to be made, experience was sufficient to meet

it. Today, when things happen overnight, the successful businessman must gain more of his experience while working for someone else. There is no substitute for experience but it must include administration as well as operation. In the third group were found owners who had excellent experience in performing some job function but practically none with others. He stated that the great pity was, and still is, that they did not realize where they were strong and where they were weak because they never took the time to study management and learn what it demanded of the owner.

Dr. White said that the manager of a business is primarily a decision maker and suggested three ideas that may be of some help in wise decision making.

First, a manager must distinguish between policies and procedures. Policies are plans. They are general statements, or understandings, which guide or channel the thinking and action of subordinates. Procedures are also plans for they involve the selection of a source of action and apply to future activities. Second, he said, there is a distinction between operation and administration and suggested allocating time to administering. Operations repeat themselves frequently and sometimes become routine; but are things managers often are so busy with that they cannot do any administering. By administering is meant planning, organizing, staffing, directing, and controlling a business. Third, Dr. White advised securing adequate training; and that in order to remain successful as the owner of a business today one needs to continue his training.

In closing, Dr. White stressed that probably the most important single thing, in the way of ideas, which he could leave with the group is that a desire and willingness to go back to school again is one of the greatest and most profitable assets one can possess. He not only can find answers to many questions but the knowledge of how best to supplement that knowledge with profitable action.



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Exchange Will Be Host Nov. 10th to Teachers in Grand Rapids Area

EACH YEAR, the Builders and Traders Exchange takes part in the annual Business-Industry-Education Day sponsored by the Greater Grand Rapids Chamber of Commerce.

This year on November 10th, the Exchange will be host to thirty teachers in the area for a full day's activities designed to inform our educators about the operation of all phases of the Construction Industry.

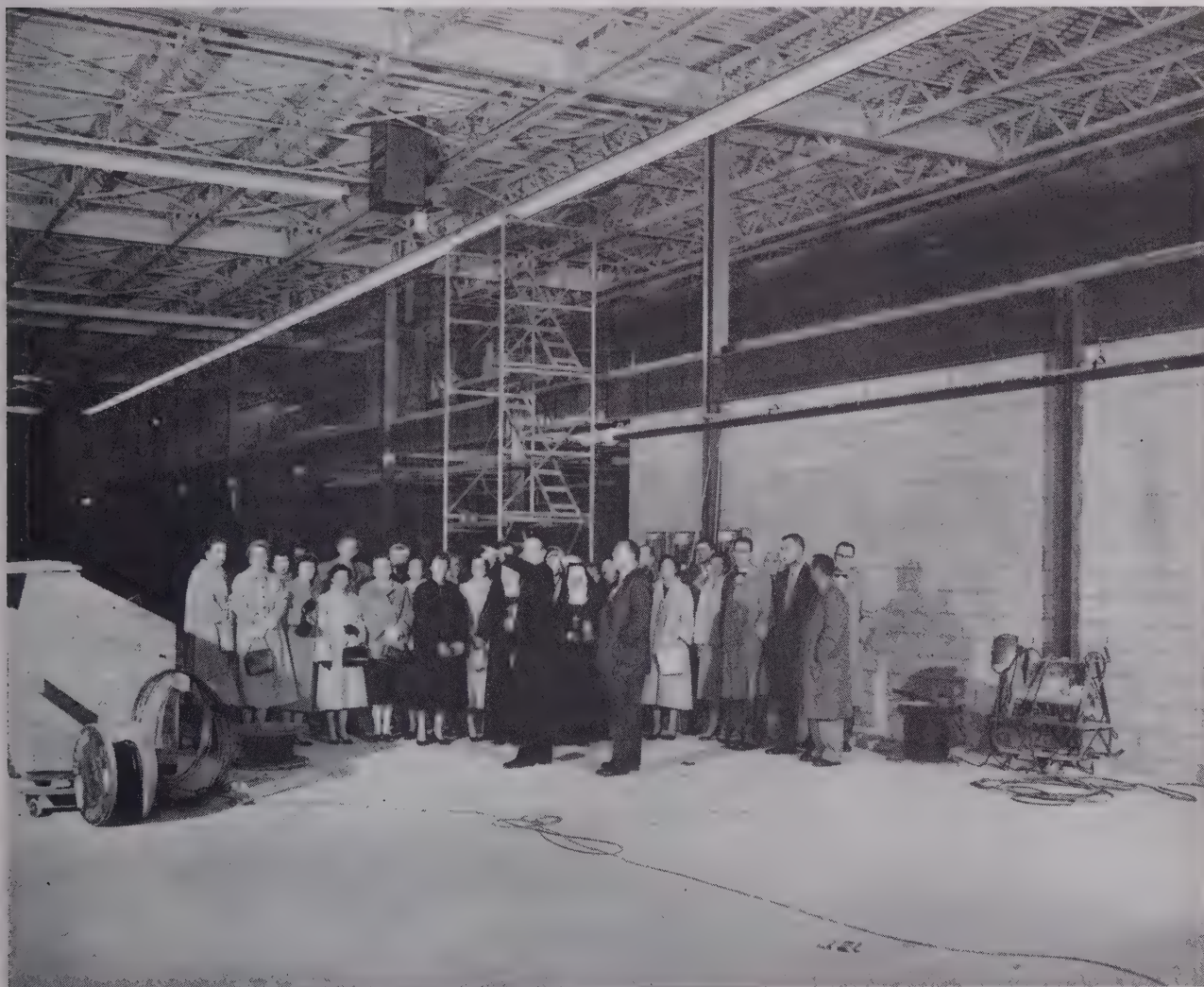
The day will begin with a mass meeting of all teachers in the Civic Audi-

torium for a major address by a national speaker. The Exchange will then take their assigned teachers, by bus, to the office of J. & G. Daverman Co. for a complete tour of this Architect's office. We will then proceed to the office and plants of the Grand Rapids Gravel Co. for a conducted tour of these facilities. The teachers will then be escorted to the office of the Exchange where they will be told about its operations and purposes. Following lunch, we will all make an inspection tour of one of the

newly constructed buildings in the area. This will complete the day.

The purpose of this program is to tell the construction story to the people who are educating our children, the future leaders of the world. The Exchange has cooperated in this project for the past ten years with the purpose in mind of furthering the construction industry.

George A. Busch, Jr., President and G. Winston Burbridge, Secretary-Manager will act as hosts for this year's tour.



Kenneth Clapp, C. D. Barnes Associates, Inc. and G. Winston Burbridge, Secretary-Manager of the Exchange are showing a group of over 40 teachers the progress of the construction of the new General Electric Appliance Co. building in Grand Rapids. C. D. Barnes Associates, Inc., General Contractors were the builders of this project.

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MAY, 1960

BUILDERS EXCHANGE NEWS

(Unrestricted Bidding, Bid Shopping, Bid Peddling)

The subject of "unrestricted bidding," which amounts to bid shopping and/or peddling in most instances, is a rather nasty condition to discuss in a publication. The need to publish the untampered facts along with the accompanying results has become a necessity. It is known that the condition has existed for many years, but of recent has become so vicious and cancerous that even some very ethical operators have had to lower themselves in order to stay in business.

This is an extremely sad state of affairs.

What is being done about it? Very little, just feeble lip service. When will the industry become sufficiently aroused to do something effective about the condition? Unknown. Are we going to fight for what is right or just fade apathetically into the "quick sands" of disaster and business failure? NOW is the time for decision!

If there are those who have not been acquainted with the practice which is being hammered, then, we will define it through example what takes place prior to suggesting the necessary decisive actions.

Example: A project submitted for bids is the first step in a long line of events leading up to bid date. The "negotiations" begin on a very friendly and ethical basis with statements such as, "If you are the low bidder in your phase of the work, you will receive the order or contract." "We want to use you if at all possible, as you do fine work or handle quality products, but we DO have to take the low bidder." "We are on the level and won't peddle your bid at anytime." This takes place on every level of bidding, and continues up through the bid date.

The bids are opened, read, and published to all interested parties. The firm submitting the lowest bid on a specific phase of the work or product expects to receive the contract or purchase order, but no such luck. At this point, the second stage of "negotiations" begins with statements such as, "You were not low, but we want you to have the contract or order." "Your competitor has you beat by five to ten per cent." "I don't know what can be done—have you checked your estimate carefully for any 'possible economies'?" This process takes place just prior and after the bids have been opened and published by the owner. One firm is played against another until neither has any profit, in fact, they go past the point of even trading dollars. **IT TAKES TWO TO MAKE A DEAL!**

How can a company do this and stay in business? Very simply, and it is simple! Overlapping or receipts. A definition of this is as follows: The receipts received for another project make up the difference on the present project or materials left over, from another project and used for the present job. How long does this continue? It continues to the point of no return. By that I mean the first project which results in a complete loss due to the lack of any overlap of any type from any place. Now, the firm is cornered and depending on the capitalization of the organization, ability to absorb the loss, it will finally be required to close its doors and go out of business. The business climate growing "sour" or the succession of losses will bring the "ax-man" very quickly.

This is what unrestricted bidding, bid shopping or peddling is and does to a bidding firm, but what do we do about it?

The April 7th issue of Engineering News-Record, page 98, has some possible solutions to the problem. The December, 1959, issue of The Constructor, pages 31 and 32, hits this subject without mercy. These are all examples of "feeble lip service," but what is being done on a constructive basis for the entire industry? **NOTHING**, only feeble attempts.

The first step toward cleaning up a cancerous condition is to "create a strong medicine." The "strong medicine" being a practical, all-inclusive, and high code of ethics enforced by a strong, unified organization. The methods must be tight-fisted and without exception straight down the line, letting the chips fall where they may. The industry must possess the guts and determination to see it through to the end. It can not be a partial and/or mediocre action, but decisive and with purpose.

THERE IS NO IMPOSSIBLE PROBLEM OR CONDITION, as history has proven on many occasions. It has been the fight and determination of every individual involved to turn the tide toward good. Are You a Fighter? A Man of Determined Principles? Do You Have the Guts for This Dirst? If you have, let us hear your support loud and clear, so that the "battle" can begin in earnest.

There are various tools which can aid the enforcement and direction of this decisive action such as an industry-wide bid depository-organized on a sound and impartial basis, legislative activity demanding specific requirements and prescribing exacting procedures, industry-wide research and inspection programs, educational programs—apprenticeship for employer as well as employee, craftsmanship programs for both, general public programs, and so on, which would all be designed to raise the standard of knowledge and experience of the industry and community a central agency used as a source for company recommendations, and so on down the list. There are probably many other suggestions, but space limits a complete listing.

The "medicine" is strong, but the "doctors" have to be even stronger to administer it. We have many such men in our Exchange who can perform the necessary "appendectomy." The condition demands it and **WE**, this is **ALL OF US**, must do something about it.

The cure will be difficult and only those who are fit will survive the "medications." It will be as the old saying goes, "A Survival of the Fittest." The final result, as we all know and believe, will be a healthy, strong, efficient, respectable industry.

The rewards for all of this effort are beyond description and imagination. The firms will be well versed in their specific operations forming a solid base for the industry. A pride in individual workmanship and craftsmanship will be resurrected from days of old receiving the respect and public recognition it should justly possess in the community. The net margin of profit would be considerably increased along with a noticeable decrease in hysterical rushing about from over-bidding. The general public will vest its confidence in the industry which will increase construction activity, expanded plants, new commerce and industrialization, increased housing-apartments and houses, new and improved road systems, and on down the long list of pleasant experiences.

This article is published with the best of intentions for doing the right and proper thing. There has been a great deal said on this worn-out subject, but this is an effort to strike out in the proper direction. It is not a one man job or just a few people, but must include whole-hearted, all-inclusive support, effort, and action. The beginning will be the hardest obstacle to overcome, but from that point on things will really roll toward that desired goal. **LET'S GO TODAY!**

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CALENDAR OF COMING EVENTS

TUESDAY, OCTOBER 25 - 5:45 P.M.

Tour through Anocolor Engineering, Inc., anodizing plant at 14460 Linwood Avenue, Detroit, with cocktails and buffet dinner — sponsored by Aluminum Company of America

NOVEMBER

Tour through National Bank of Detroit with buffet dinner

FRIDAY, EVENING, DECEMBER 16

Christmas Party at Detroit Yacht Club with Cocktails, Dinner, Dance and Floor Show

JANUARY — OPEN

Table Tops at Saginaw and Western Michigan Chapters yet to be announced

FEBRUARY —

Informational Meeting sponsored by Formica Corporation with Cocktails and Dinner at Sheraton - Cadillac Hotel, Detroit

MARCH — OPEN

THURSDAY, APRIL 6

Cocktail Party at MSA Convention Sheraton - Cadillac Hotel, Detroit

MAY — OPEN

JUNE — GOLF OUTING

THE ANNUAL CHRISTMAS PARTY of the Producers' Council will be held again this year at the Detroit Yacht Club. This affair has become an institution in the annals of Architect-Producer fraternization and is considered by both as one of the big social events of the winter season.

This year the dinner dance will be held on Friday evening, December 16 in the spacious ballroom of the Yacht Club, considered one of the most handsomely appointed edifices of its kind in the country.

Charles Wolfgang Trambauer, a former president of the Council, is responsible for the privilege of having the party there, through his membership in the Club. So

Light Reflectivity

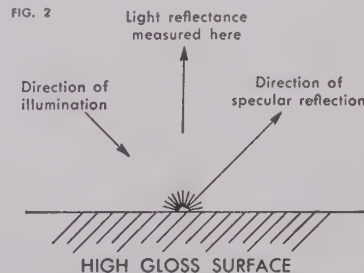
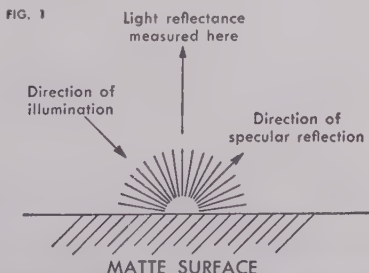
TODAY, THERE IS A GROWING AWARENESS on the part of industry, education authorities, hospitals, and other institutions of the effects of the brightness and quality of light. As a consequence, the light reflectivity factor of resilient floors takes on additional importance. This is particularly true in view of the fact that the floor is often the largest single area of decorative color in an interior.

The percentage of incident light reflected by a floor must be adjusted to the fact that the human eye is more sensitive to some colors than to others. A person with normal color vision is most sensitive to a wave length of about 570 millimicrons—a greenish yellow in approximately the middle of the visible spectrum—and sensitivity falls away toward both the red and violet end of the spectrum.

In addition to color, gloss also has some effect on light reflectivity—a high gloss will have a lower light reflectance. This is illustrated below.

In Fig. 1, a matte surface reflects light in all directions but, as shown in Fig. 2, a high gloss surface reflects most of the light in the direction of specular reflection and a relatively small amount in the direction in which the light reflectance measurement is made. If this material is viewed at the angle of specular reflection, it will appear very bright, but what will be seen will be a more or less distinct image of the source of illumination combined with light reflected by pigment particles of the material.

Therefore, the colors in a high-gloss waxed and polished floor will appear somewhat darker than the same colors in a material with a matte finish.



Charley is entitled to a 21-gun salute the next time you see him.

EMRYS L. WILLIAMS of Zonolite Company has been appointed Vice President of Producers' Council, Michigan Chapter, to fill out the unexpired term of C. Russell Wentworth who has resigned.

By R. PLANT McCaw
Armstrong Cork Company

Apart from its effect on the light level of the room, gloss has a considerable influence on the appearance of the finished floor. Very glossy flooring materials tend to show up minor irregularities in the subfloor surfaces. Very glossy materials, therefore, require careful subfloor inspection and preparation in order to insure the best appearance. Extra maintenance care also is required.

Lighting of schoolrooms is currently a subject of great interest. Much work has been done to reduce fatigue and promote better working conditions for both teachers and pupils. The elimination of glare combined with a balanced brightness level results in more speed and accuracy and provides a cheerful feeling of warmth. Pupils with subnormal vision are helped by adequate lighting and accidents in corridors and stairways are reduced.

Good school lighting depends not only on proper lighting fixtures and the size and location of windows, but also on the reflected brightness of all surfaces in the room. Lighting specialists have arbitrarily selected the working surface (books, papers, etc.) as the reference point. They also have established that this reference point should have a reflectance factor of 70%. For ideal seeing conditions then, the floors and all other major surfaces should have reflectance values not greater than 70% and not less than 22-23%.

These conditions apply not only to schools but also to all places where people work. Proper lighting combined with a proper balance of reflectance levels assures a more relaxed and better satisfied worker.

MRS. MARIE MULLER, wife of Fred Muller, former president of Producers' Council, was in Mount Carmel Hospital, Detroit, recovering from recent surgery. Her many friends are sending cards ing her a fast recuperation at home.

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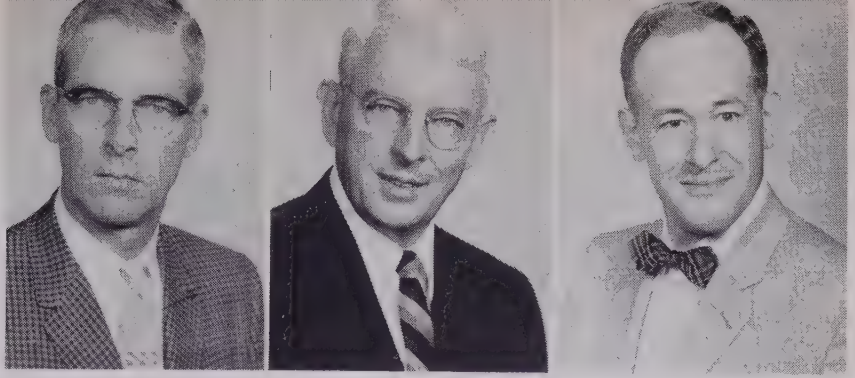
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Products News



T. M. Reynolds

E. H. Wiley

W. C. Krell

COMPLETION OF A MOVE TO NEW HEADQUARTERS centralizing all activities is announced by Perron Construction Co. The industrial contracting firm is now located at 21201 Meyers Road, Oak Park.

"In consolidating the administrative and mechanical divisions at new central headquarters, we expect to improve co-ordination and serve customers more efficiently," said Frank J. Perron, president.

In addition to air conditioned offices for management, sales, engineering, purchasing and estimating personnel, the facilities include warehouse, garage, maintenance, and yard-office buildings. The five-acre property also accommodates the company's extensive building equipment.

An established general contractor, the Perron company serves southeastern Michigan with a permanent staff of 60 employees, augmented by up to 400 workers on location. Former headquarters was at 6525 Lincoln, Detroit.

PROMOTION OF THREE PORTLAND CEMENT ASSOCIATION ENGINEERS and reassignment of duties in Michigan was announced recently by J. Gardner Martin, Michigan district engineer for the Association.

T. M. Reynolds, Lansing, was named field engineer supervisor and E. H. Wiley, Okemos, was appointed state paving engineer. W. C. Krell, Detroit, will become supervising engineer in the structural and housing fields.

Reynolds assumes his new position after 19 years experience with the Portland Cement Association. He served five years as office engineer and 11 years as paving

and general field engineer in the Lansing and Detroit areas before becoming statewide paving engineer in 1957.

Wiley, who has been employed by the Portland Cement Association for 23 years, served four years as office engineer and 17 years as paving and general field engineer in Traverse City and Grand Rapids. Since 1958, Wiley has been engaged on special engineering assignments for the district office.

Krell, who joined the Association staff in 1957, will continue as structural field engineer in the Detroit area in addition to his new assignment as supervisory engineer.

CONCRETE STEEL CORPORATION has been appointed representatives in the Detroit area for Knapp Brothers Manufacturing Company. Jack Lewitt, as local representative, will service the Company's complete line of metal trim. His offices are at 2411 Vinewood Avenue, Detroit 16, the telephone number TAsmoo: 5-4733.

MIGDAL & LAYNE, Consulting Engineers, has recently moved their offices into new quarters at 10150 West Nine Mile Road, Oak Park.

Principals in the firm are Albert Migdal, Registered Professional Electrical Engineer and Fred M. Layne, Registered Professional Mechanical Engineer.

Migdal & Layne have provided engineering services for many of the outstanding structures in the state including schools, hospitals, office buildings, motels and shopping centers. They have also done considerable work for the Strategic Air Command at various Air Force Bases in Michigan.

In their new and larger quarters Migdal & Layne have increased facilities to better serve their clients.

ROHM & HAAS COMPANY announces that Norman S. Knauss has joined its Detroit sales staff, according to Richard C. Ogelsby, manager of the Detroit office.

Knauss replaces John J. Doyle who has been appointed technical automotive coordinator and will work out of the Philadelphia office.

The company's offices are at 2011 Greenfield Road, Detroit 35, Mich.

BIRD & SON, INC., announces that Tappan Brothers, Inc., 8224 Livernois Ave., Detroit 4, Mich., has been appointed Detroit distributors of Bird asphalt roofing products.

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Mr. Mitchell

RALPH G. MITCHELL has been appointed manager of the midwestern district of Briggs Manufacturing Company. Mr. Mitchell joined Briggs in July 1958 as a regional manager and served in that capacity until his recent promotion. Mitchell has been associated with the plumbing industry for twelve years.

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Versatility of Masonry Enhances Architectural Design

AN IMPRESSIVE EXAMPLE of the multiple uses of masonry in modern architecture is presented by a new building nearing completion on Telegraph Road in Southfield, Michigan.

Containing a maintenance shop and seven offices, the 60' x 66' structure was designed by Paul Tilds and Associates, AIA, and is being built by the owner, James R. Snyder Co., mason contractors.

The front facade is made of face brick with limestone trim and clay solar screen units covering the window area. The remaining exterior surface is of exposed cinder block.

The maintenance shop measuring 25 x 60 feet, has walls of cinder block laid up in running bond. Matching the texture of the walls is an 18-foot ceiling of exposed cinder concrete which is a part of a unique roof system.

The unusual roof is made up of 8" x 12" reinforced cinder concrete beams with bullnosed edges, approximately 4 feet on center and resting on steel beams. Notched, precast cinder concrete fill the space between the concrete beams to form an attractive beamed ceiling.

The concrete beams span up to 16 feet. Precast concrete cant strips are set between the roof and parapet wall. Rigid

insulation and a built up roof cover the precast roof system.

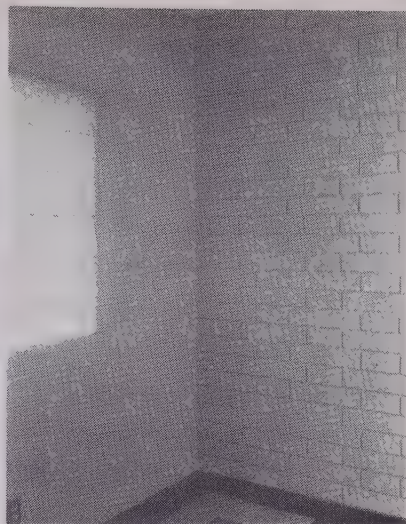
The office area has the same roof system with the addition of a suspended acoustical tile ceiling at a height of 9' x 4" from the floor.

Cinder block of different patterns and colors make up the walls of the seven offices and reception room. Four inch high units laid in norman bond have been used on one wall and 8" x 8" face units in stacked bond on the other three walls. In each office, the wall of different pattern is painted with a color complimentary to the color of the other walls. Ten different patterns have been used, including stacked bond and basket weave.

The 8" x 8" stacked bond walls, which predominate in the corridors, are made by laying regular 8" x 16" units, which have been scored on a masonry saw, in regular running bond.

The reception area combines a wall of black glazed brick with an opposing wall of painted pattern block. The counter in this room is of the same solar screen units that cover the windows.

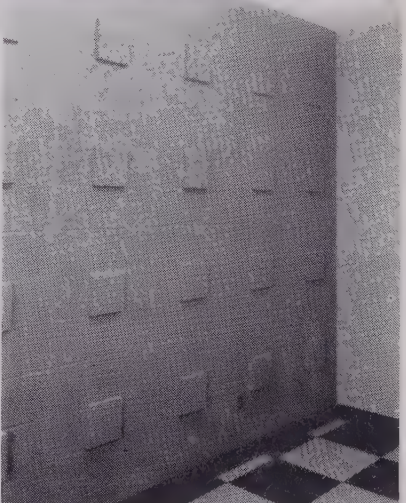
Containing steel beams fireproofed with masonry, this new structure will be a class A fireproofed building. The roof system and all cinder block is by Hay-Con Tile Company, Detroit, Michigan.



2



3



4

1 EXTERIOR VIEW—Brick, block, with limestone trim, and clay tile solar screen units covering window areas

2 OFFICE AREA—Half height cinder block laid up in Flemish bond—with contrasting wall in stacked bond pattern—glass block window

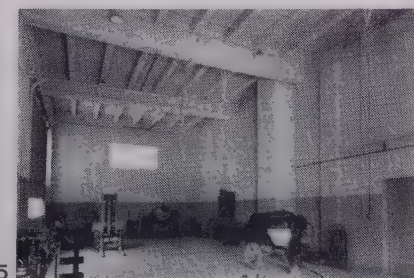
3 OFFICE AREA—Cinder units laid up in basket-weave pattern—all standard units

4 OFFICE AREA—Patterned cinder block masonry wall with projections—all standard units

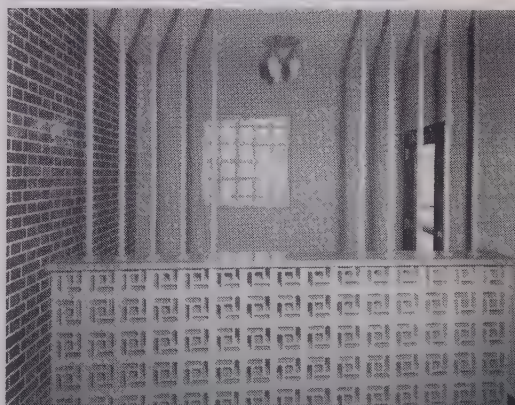
5 MAINTENANCE SHOP AREA—Concrete masonry walls (cinder block) with pre cast cinder concrete beam and slab roof system

NOTE: Steel beams have been fireproofed with concrete masonry units

6 RECEPTION AREA—Stacked bond cinder block, black glazed brick, with counter and window made of clay tile solar screen units



5



6

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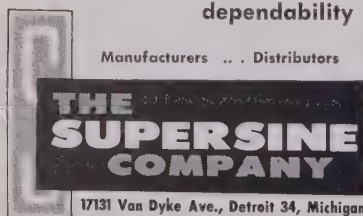
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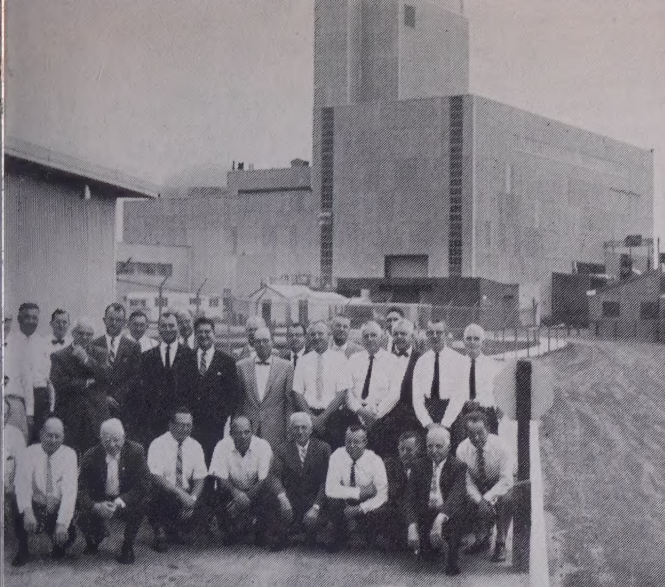
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ADDITIONAL PICTURES TAKEN ON TOUR ARE AVAILABLE AT AIA OFFICE

I.C.M.C. TOUR THROUGH DETROIT EDISON'S ENRICO FERMI PLANT

IN LIEU OF THE ANNUAL CRUISE of the Indefatigable Congress of Master Craftsmen, 31 members of the organization took a conducted tour through the Enrico Fermi Breeder Plant for Atomic Energy, on Lake Erie, outside Monroe, Michigan, August 23, 1960.

After being given a verbal explanation, accompanied by slides, explaining the purpose of the plant, we were con-

ducted to the separate buildings which are parts of the whole operation.

The operations of the plant are an appalling spectacle for anyone not in the business of juggling nuclear power. One has to see it to appreciate the immensity of the functions of the plant.

It was very satisfying to all the members of the group to be shown that atomic power can be realized and used

with such safety, and without harm to the neighboring citizenry.

Tours through the Enrico Fermi Plant are welcomed by The Detroit Edison Company so that they may show to all concerned just what is being done, and can be done with nuclear fission for the benefit of the public weal.—ERNEST J. DELLAR, I. C. M. C.

SMCAD Industry Fund Grant Provides Laboratory Equipment for Wayne State University College of Medicine

WAYNE STATE UNIVERSITY, COLLEGE OF MEDICINE, has received approximately \$2,000 in laboratory equipment, specially designed and built for research in the field of air handling, through a grant provided by the Sheet Metal Contractor's Association of Detroit Industry Fund (SMCAD Industry Fund). These laboratory devices were presented at Wayne State University, College of Medicine by: Ferdinand and Bolle, Jr. SMCAD president, Kenneth L. Kimmel, president and William J. Rettenmier, executive secretary of SMCAD Industry Fund.

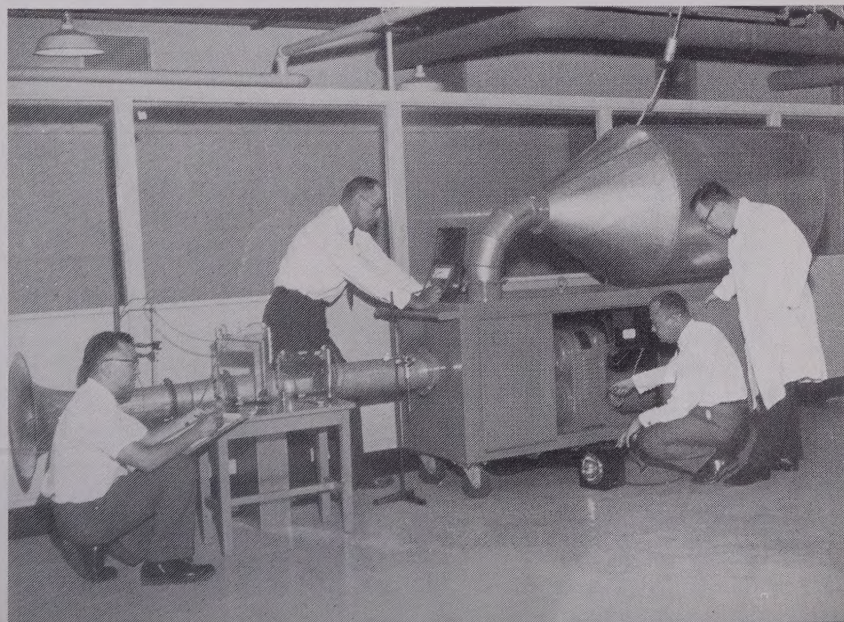
In accepting this laboratory instrumentation, Arthur J. Verwald, M. D., professor and chairman, Department of Industrial Medicine and Hygiene, Wayne State University said, "I would like to express my sincerest thanks and gratitude, and those of my associates, to the Sheet Metal Contractor's Association of Detroit Industry Fund for the generous gift of essential ventilation testing equipment. This instrumentation will greatly enhance our facilities for instructing individuals in industrial ventilation techniques and will also serve to improve the present knowledge of engineering principles of industrial ventilation practices through the practical basic research work which can now be done." Dr. Verwald's associates are associate professors Edward C. J. Urban and George Hama.

In addition to providing laboratory equipment for the teaching of students

working toward graduate degree in Industrial Hygiene as well as full time graduate study the knowledge gained in the handling of fumes, gases and dust will be made available to industry for safety programs directed toward better working

conditions. Valuable design advances should be developed for the building industry and it is well within the realm of possibility that this equipment may be used, in the future, for studies of air pollution caused by traffic gases.

Left to right: George Hama, associate professor, Wayne State University; Ferdinand Bolle, Jr., president Sheet Metal Contractor's Association of Detroit; Kenneth L. Kimmel, president Sheet Metal Contractor's Association of Detroit Industry Fund and Arthur J. Verwald, M.D., professor and chairman, Department of Industrial Medicine and Hygiene, Wayne State University



Ransier - Anderson Photo

Bulletin Board

"Nothing in this world can take the place of persistence. Talent will not; nothing is more common than unsuccessful men with talent. Genius will not; unrewarded genius is almost a proverb. Education will not; the world is full of educated derelicts. Persistence and determination alone are omnipotent."

—CALVIN COOLIDGE.

Suggested for reproduction by Elmer B. Johnson, Chief of Public Relations, Giffels & Rossetti, Inc., Architects & Engineers

SPEAKING OF KITCHENS, the A & E Institute has to face the same problem that confronts anyone who plans dinners, whether it be the housewife who wonders if Hubby will bring home a guest without letting her know beforehand, or the hotel chef who is called on to produce three hundred steaks on short notice. This side of perfection, there will always be unexpected guests, and nobody minds too much. But what can be said for the expected guest who fails to show up? Rising to the occasion may be good for the human spirit, but being left with quantities of spoiled food never did anybody's spirit much good. Our reason for bringing this up is not the hole made in the Chapter's budget by the failure of some of our members to cancel reservations when their plans change. After all, the Chapter can do something about that, and probably should. But recently—on June 28th, to be specific—there was a dinner given at the A & E Institute for architects and engineers. Many were invited, many accepted. Unfortunately, only a handful showed up, and the hosts had to pay \$5.00 for each person who had said he'd be there. It may be that architects are no worse in this respect than other people, but those who make planning a profession ought to show some regard for other people's planning.—NEWS of the Georgia Chapter, AIA

CERTAINLY, the most nauseating lines in English literature is this: "I tore open the shutter and threw up the sash."

DEPUTY MAYOR of Scarborough, England declared to some visiting convention delegates: "The Mayor is out of town but, if he were here, I am sure that he would be the first to apologize for his absence."

HARRY R. HALL, Executive Vice President of the Michigan State Chamber of Commerce: "One of the first talks I made after taking my new office was before the inmates of a mental institution. I felt pretty good afterwards for it seemed to go over very well. On the way out a member of the audience said, 'you know, I like you better than most speakers we have had here.' On being asked why, the answer was, 'because you seem more like one of us.'"

AT A GALLERY IN LONDON, a lady was looking at a Renoir. She asked, "do you have it in any other colors?"

The "Let's Have Better Mottoes" Association selected as motto of the Month, in difference to the political campaigns, "On what do you bias your opinion?"

WANT AD in California newspaper — For Sale 1929 Ford car, takeover payments.

IN DALLAS, TEXAS, a lady from a fashionable section wanted to get her maid out of jail. "She has worked for me for three years," she told police Detective W. S. Biggio.

"Lady, we have arrested your maid," the detective replied. "But 'she' turned out to be a man dressed in woman's clothing." The woman is looking for a new maid.

LET'S HAVE BETTER MOTTOES Association announced the winning motto for August: "I have great plans for wasting today."

Also rans: "If you died tonight, could anyone straighten out the mess you're making?" "I'm not talking common sense, I'm talking policy." "I gave my wife a going-away present, but she won't go" "I'm accustomed to your face, but it still scares normal people."

ADVERTISEMENT: "Auto Body Bumper—All around architectural background. Opportunity in Birmingham office, mostly institutional work. Box N—398, Detroit News 31."

NEW YORK DAILY NEWS headline: In New York a truckload of dresses is hijacked: \$50,000 worth of ladies skirts Lifted.

SENATE, at hearing for applicant of member of the Labor Relations Board: "What do you think of the Taft-Hartley Bill?" Answer: "I think it should be paid."

WILL THE CINEMA attract the young people as the stage has, or will it just be neck and neck?

CONFUSION REIGNED during the filming of a low-cost motion picture, where economy was obligatory. In the final scene, the most expensive set — an elaborate mansion — was to be burned to the ground. It failed to burn dramatically enough, and finally a technician discovered thousands of feet of what he thought was old film, which burned brilliantly and saved the scene. This footage, of course, turned out to be the original negative of almost the entire picture they were working on.

HENRY MILLER once said: "I believe that when you write freely and easily and joyously, even if it doesn't make sense, that you do more good than when you write seriously with all your heart and soul and are trying to convince people. We have underestimated humor as a leavening, as something to unloosen people and make them think."

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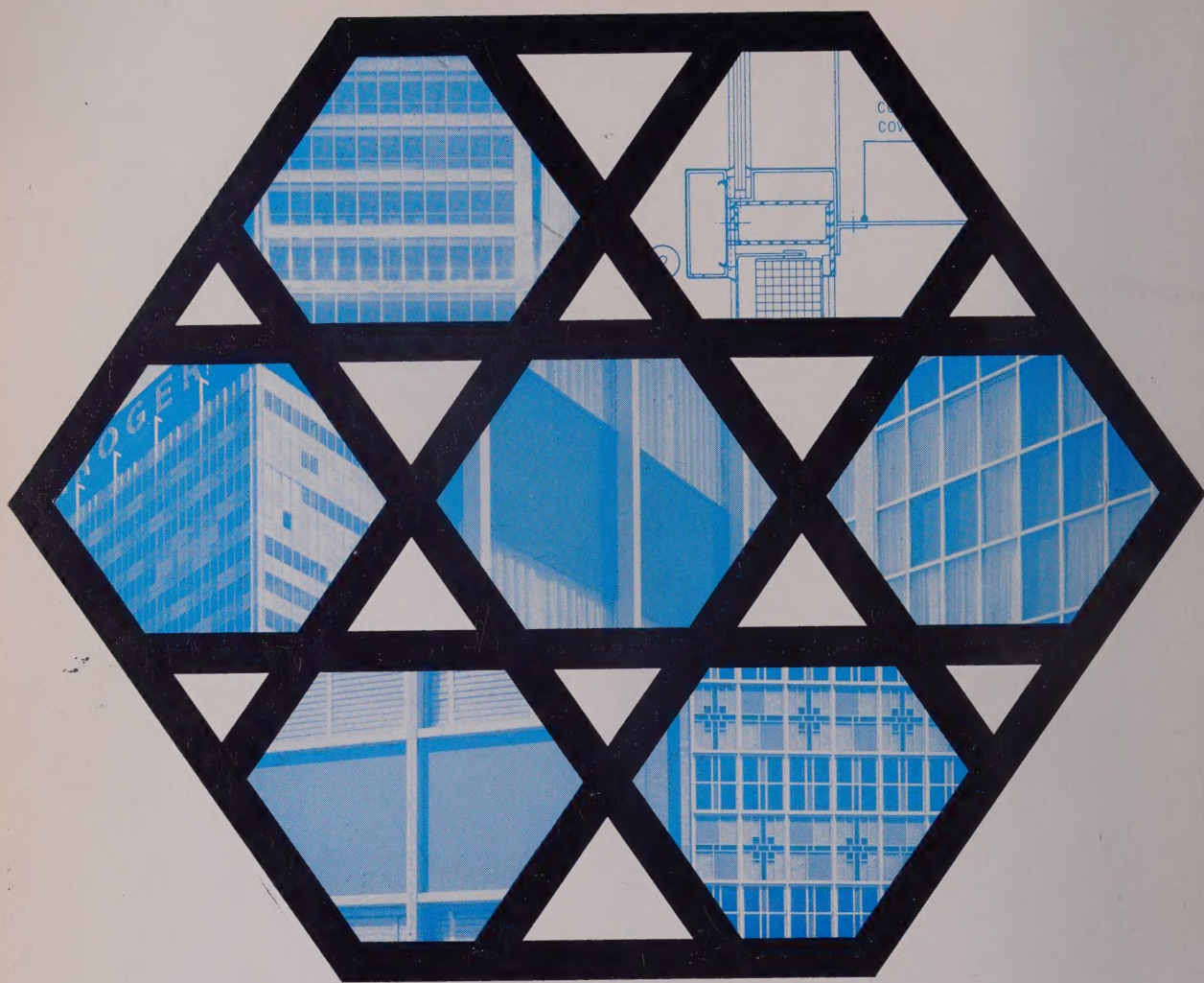
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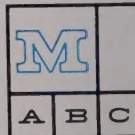


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